

**YELLOW HIGHLIGHTED LINES ARE REFERENCES TO THE ANSWERS FROM THE LECTURE NOTES/ WEBSITES or VIDEOS**

**[ Answer Needed SOMEBODY SOLVE THIS ONE]**

Older people often complain that their memory is getting worse. For example, they may not remember a phone number (647-8943) that someone just told them a few minutes earlier. Which explanation below is most CORRECT?

- A) Information in short-term memory is easily disrupted for everyone (young and old)
- B) There is an absence of neurogenesis in older people leading to memory loss
- C) Semantic networks of information arranged in hierarchies begin to degenerate as we get older [ this seem correct to me]- vote that as well
- D) The brain and memory of older people deteriorates due to disorders such as Alzheimer's disease [ this also ]

**[ ANSWER NEEDED ]**

Which statement about colour vision is FALSE?

- A) Three cone types help us to see colour (red, green, & blue) [ I think its this one]
- B) Infants have poor colour vision...does not fully develop until about six months of age
- C) Dogs have colour vision like that of a red-green colour blind person
- D) The Ishihara Test is designed to diagnose colour blindness. (so not true) right from the notes "Ishihara Test is used to identify colour blindness and colour weakness."

**BELOW QUESTIONS ARE ALL CORRECT!!!!**

In terms of stress responses, cognitive appraisal refers to...

- A) An individual's interpretation of a situation as harmful, threatening, or challenging **"- Whether an event is seen as threatening or as merely challenging depends on cognitive appraisal (our interpretation)...stress lies in the eye of the beholder...events that are stressful for one person may be routine for another"**
- B) The negative consequences that result from contact between two distinctive cultural groups
- C) A conflict in which the individual must choose between two unattractive alternatives
- D) A personality type which includes a sense of alienation and powerlessness

About 50% of mental retardation cases are organic. Which of the following is NOT CONSIDERED ORGANIC factor?" **About 50% of cases are organic...Organic retardation is mental retardation caused by a genetic disorder or by brain damage (birth injuries, fetal damage from disease, infection, or drug use)..."**

- A) Genetic disorders (e.g., Down syndrome)
- B) Inadequate nutrition or early stimulation **"common sense"**
- C) Fetal damage from diseases or infection
- D) Fragile X syndrome
- E) Fetal alcohol syndrome

After information is attended to, it moves into \_\_\_\_\_, which has the capacity to hold approximately \_\_\_\_\_ of information for about \_\_\_\_\_

- A) Sensory memory.....7 bits.....1 second
- B) Short-term memory.....7 bits.....5 minutes
- C) Short-term memory.....7 bits.....30 seconds
- D) Long-term memory.....millions of bits.....indefinitely **“common sense, our memory is infinite”**

When we sense a stressor, the \_\_\_\_\_ sends a signal to the autonomic nervous system and to the \_\_\_\_\_, thus stimulating several physiological changes associated with the fight-or-flight response.

- A) Amygdala...limbic system,
- B) Neurotransmitters...synapse
- C) Hypothalamus...pituitary gland. RIGHT

**“When we sense a stressor, the hypothalamus sends signals to the autonomic nervous system and to the pituitary gland thus stimulating several physiological changes associated with the fight-or-flight response”**

- D) Pituitary gland...motor cortex
- E) Hippocampus...amygdale

Rick is one of those people who always see "the glass as half empty." His thoughts are dominated by negative themes and pessimism. What method could be used to improve Rick's negative thoughts about himself and the world around him?

- A) Biofeedback
- B) **Cognitive restructuring**

**“optimistic attitude is better than pessimistic. Cognitive restructuring involves modifying negative thoughts, ideas, and beliefs”**

- C) Behaviour modification
- D) Psychoanalysis

Information deteriorates most quickly from...

- A) Explicit memory.
- B) Short-term memory.
- C) **Sensory memory. Sensory Memory...storing an exact copy of incoming information for a few seconds;**
- D) Episodic declarative memory.

**“Only H.M.’s declarative memory was affected...ability to store facts, personal experiences, names, faces”**

**“Types of Long-Term Memory**

**- Procedural memory (skills) and declarative memory (facts).”**

The \_\_\_\_\_ is the small area at the center of the retina that contains only cones and provides the most acute vision.

- A) **Fovea “in fact the fovea contains only cones (about 50,000 of them)”**
- B) Optic nerve

- C) Lens
- D) Rods

Mania is a component of bipolar disorder. Which of the following best describes mania?

- A) Completely consuming feeling of depression
- B) Extreme feelings of euphoria, energy, optimism and impulse **“People with bipolar disorder are vulnerable to emotional extremes at both ends of the mood continuum, going through periods of both depression and mania (excitement and elation).”**
- C) Psychotic thoughts that can escalate to violence
- D) Warning sign of potential suicide

Studies of crime rates show that the incidence of highly aggressive behavior including murder, rape, and assault tends to increase....

- A) During the Christmas season
- B) As temperature increases from warm to hot **//said in class**
- C) During days when there is a full moon
- D) During football season but not during baseball season

Which statement about cognitive behaviour therapy is FALSE?

- A) Self-efficacy is an important feature (e.g., “I’m going to master my problem.”)
  - B) Tries to replace irrational or negative thinking
  - C) Is about as effective as drug therapy for treating certain disorders
  - D) Focus is on unconscious thoughts that patient may be repressing. .
- “Therapies focus on active learning in the here and now and do not search for unconscious conflicts.”**
- “Self-efficacy is the concept that one can master a situation and produce positive outcomes”**
- “Can be just as effective as drug therapy in treatment of depression”.**

During stress, cortisol is a steroid that is good for the body over the short term because it causes cellular fuel to move to muscles; however, high levels over the long term.....

- A) Decreases your appetite
- B) Decreases blood pressure
- C) **Suppresses the immune system- Together these changes produce a heightened state of alertness and readiness for action...we may confront the stressor or run from it (fight or flight hormone cortisol (glucocorticoid)...the most harmful effects of stress are produced by the prolonged secretion of glucocorticoids)...regardless of the stressor the biological response is the same**  
**- Short-term stress actually “revs up” the immune system, an adaptive response preparing for injury or infection, but long-term or chronic stress causes too much wear and tear, and the system breaks down. The most chronic stressors – which are more beyond control and seem endless -- were associated with the most global suppression of immunity.**
- D) Decreases peripheral circulation

Although memory is distributed throughout the brain, certain brain structures are more heavily involved in certain types of memory. The amygdala is most involved in which of the following?

A) Emotional memories.

**“the amygdala (part of the limbic system) is involved in emotional memories”**

B) Implicit memory.

C) Explicit memory.

D) Episodic memory.

Which of these is the first language milestone?

A) Babbling [vote for this]

B) Two-word sentences

C) Telegraphic speech

D) First word

E) Burping

Hearing impairment is very common in human populations, but it is a very heterogeneous disorder, with a wide range of causes. Which statement below is FALSE?

A) Infants may be born with hearing loss caused by a viral infection that was acquired during pregnancy.

B) Most "deaf genes" are transmitted by, and inherited from, hearing parents.

C) The vast majority of deaf parents have hearing children.

D) When hearing impairment is genetic it is always caused by a faulty gene on the 23rd chromosome **"Any statement with word “always” is always false :D”**

What is happening in the process of transduction?

A) The eyes and ears receive stimulus information from the environment.

B) Physical energy detected by the receptor cells is converted into electrochemical impulse.

**This is a quiz question**

C) The brain responds to sensory information by sending messages to various parts of the body.

D) Sensory impulses are translated by the sensory cortex of the brain.

Which of the following statements about social identity and group relations is FALSE? **“Conflicts among ethnic and cultural groups are common worldwide. We are continually comparing our groups (in-groups) with other groups (out-groups)...when individuals compare their groups with other groups, there is a tendency to emphasize differences between groups**

**Comparisons often lead to competition and even discrimination against other groups. Tendency to favour one's own group over others is called ethnocentrism. Negative side is that ethnocentrism creates ingroup/outgroup and we/they thinking...focus on group differences...may set selves apart and even above others.”**

- A) Comparisons may lead to competition and discrimination
- B) We focus more on differences between groups than similarities
- C) Although we favour our own group, we would never hurt or harm others who belong to an "out-group"
- D) We tend to promote positive things about our group and negative things about other groups

An example of synesthesia is when someone always sees a certain color in response to a certain letter of the alphabet or number. Synesthesia is caused by...

- A) Malfunction of cones in the retina
- B) Connections between brain areas that process different senses
- C) Absence of the FRMP protein in the eye
- D) Tiny lesions in the sensory cortex
- E) Trauma or damage to the temporal lobe

In Milgram's "learning" experiment, the major finding was that...

- A) The use of punishment was effective in promoting learning
- B) Most students who were being shocked quit the experiment due to the pain
- C) When the student protested that the shocks hurt, most teachers refused to continue with the shocks
- D) Most teachers in the experiment continued giving shocks up to the maximum 450 volts - No participant stopped cooperating before the learner reached the point of pounding on the wall, but 5 quit at that point. 26 of the 40 subjects (65%) administered all 30 levels of shock.

What do Wernicke's area and Broca's area have in common?

- A) They are both related to language processing //in quiz and told us in lecture
- B) They are both related to circadian rhythms
- C) They are both related to motor movements (e.g., walking)
- D) They are both related to the visual system

Irena remembers, "When I was eighteen, I travelled across Canada with my friends for the entire summer." This memory represents a(n)

- A) Implicit memory.
- B) Procedural memory.
- C) Episodic memory...obvious
- D) Prime memory.

The theory that the spinal column can either allow or block the perception of pain is known as the

- A) Signal detection theory.
- B) Gate control theory.
- A process called sensory gating blocks some incoming nerve impulses while allowing others to get through. Pain messages from different nerve fibres pass through the same neural gate in

**the spinal cord. If the gate is closed by one pain message, other messages may not be able to get through**

- C) Subliminal perception theory.
- D) Volley theory.

In class we saw a short video clip involving two identical twin boys. One of the boys was shorter than the other and also had a lower IQ than his taller brother. After both boys were exposed a very stimulating environment for several months, what happened?

- A) Only the IQ of the shorter twin improved and he caught up to his taller brother <-- this was marked
- B) The IQ of the taller twin improved and so the shorter twin fell farther behind
- C) The IQ of both twins improved the same amount due to the enriched stimulation
- D) IQ did not change at all because the critical period of development had been missed

Hundreds of years ago, people with mental disorders were thought to be possessed by the devil or evil spirits. One of the earliest known attempts to treat these disorders involved:

- A) Putting leeches on the skin to suck out or remove "bad blood"
- B) Having patients walk on fire to cleanse the body and soul of the evil spirits
- C) **Drilling holes in the person's skull to allow the evil spirits to leave** "Hundreds of years ago, people with mental disorders were viewed as possessed by the devil or evil spirits...earliest known attempts to treat these disorders involved drilling holes in the person's skull to permit the evil spirits to leave...other "cures" included beatings, starving, and near drowning"
- D) Immersing people in holy water for several minutes almost to the point of drowning
- E) All of the above

Which of the following does not contribute to work-related stress?

- A) **Job that is high in personal control and autonomy**
- B) Job responsibilities that interfere with home life
- C) Decrease in job security
- D) Job that provides few advancement opportunities

The causes of mood disorders may include each of the following EXCEPT:

- A) Genetic factors
- B) Impact of severe stress
- C) Imbalance in neurotransmitters (serotonin, norepinephrine, and dopamine)
- D) **Deterioration of neurons, especially the myelin sheaths (causes Alzheimer's not mood disorders)**

In the debate over chimpanzees' ability to use language, there is ...

- A) **Chimps understand symbols, but whether they can use language to express thoughts is unresolved. "some chimpanzees can manipulate language-like symbols with syntax that resembles that of young children."**
- B) Chimpanzees can both understand symbols and use language to express their thoughts.

- C) Chimpanzees cannot understand symbols nor can they use language to express ideas.
- D) Chimpanzees can understand symbols but they cannot use language to express thoughts.

Most amputees have phantom limb pain sometimes months or even years after losing a limb. Because the phantom limb feels so real, a patient with a recently amputated leg may even try to walk on it. The video we saw in class used what type of therapy to help patients deal with phantom limb pain?

- A) Mirror therapy { I REMEMBER THIS FROM LECTURE, GUY WITH MIRROR IN FRONT OF HIS LEGS}
- B) Cognitive therapy
- C) Drug therapy
- D) Group therapy
- E) Electroshock therapy

There are two commonly used tests of intelligence (IQ test). Which of the following is NOT one of them?

- A) The Wechsler Intelligence Test..both the above ones are given in notes. third one is just made up by prof
- B) The Stanford-Binet Intelligence Test
- C) Gardner's Multiple Intelligence Test

Action potentials of all sensory nerves are exactly the same...so how does the brain distinguish action potentials associated with sight, sound, touch, etc.?

- A) A process called synesthesia helps to distinguish them
- B) Depends on thresholds of the different sensory receptors
- C) Sensory receptors each have different neural pathways to the brain - sensory receptors each have different neural pathways specialized to absorb a certain type of energy (e.g, light or sound) and transduce it into electrochemical energy.
- D) Through use of an ingenious parallel processing system

Which of the following is FALSE regarding prefrontal lobotomies?

- A) They are still a common surgical procedure today. remember from class
- B) A surgical instrument was inserted into the brain and rotated, severing neural fibres.
- C) Some subjects improved, but many were left in a vegetative state.
- D) The researcher who developed the procedure was awarded the Nobel Prize.

Aggression can be triggered by a broad range of aversive experiences. Which of the following is NOT linked to aggression?

- A) Testosterone.
- B) Serotonin.
- C) Alcohol.
- D) Stimulation of the lower limbic system

E) Melatonin. This is linked with sleep

**“Neurotransmitters such as serotonin linked to both violent and suicidal behaviour. Alcohol, which suppresses our inhibitions, has been strongly linked to aggression. Testosterone may be related to higher levels of aggression.”**

Larry has been treated with neuroleptics for several years. Recently, he has started to display strange, involuntary contortions of the face and mouth. In addition, he cannot control the frequent twitching of his legs, arms, and neck. How can you best explain Larry's condition?

A) The medication is no longer working, and his schizophrenic symptoms have returned.

B) He probably drank alcohol, which causes a bizarre interaction with neuroleptics.

C) **He has developed tardive dyskinesia, a common side effect of neuroleptics. [Neuroleptics are most widely used antipsychotic drugs but may also target other neurotransmitter receptor sites. Unfortunately antipsychotic drugs do not discriminate between dopamine secreting neurons involved in symptoms of schizophrenia and dopamine secreting neurons involved in control of movements...]**

D) The symptoms indicate that he took an overdose of neuroleptics.

E) He has Tourette's syndrome.

Which type of stress will lead to most damage to the immune system?

A) Acute stressors of brief duration

B) **Chronic stressors that last for a long time [the immune system, The most chronic stressors – which are more beyond control and seem endless -- were associated with the most global suppression of immunity.]**

C) Perceiving a stressor as a challenge to be overcome

D) Stress associated with positive circumstances (such as winning a lottery)

Which ONE of the following statements about early development of language is FALSE?

A) Infants use gestures to communicate before they use words

B) **Language is in our genes and so does not depend on experience or environmental stimulation [vote for this]**

C) **Responsibility for most verbal functioning is mainly to left hemisphere**

D) **Prelinguistic vocalizations such as cooing and babbling do not represent objects or events**

In brain more space is allocated for \_\_\_\_\_ than all other senses put together.

A) Touch

B) Taste

C) **Vision [occipital lobes]**

D) Smell

E) Hearing

Which statement about stress is FALSE?

- A) Chronic emotional stress is associated with high blood pressure
- B) Most stomach ulcers and gastritis are caused by stress [Its not mentioned in lecture notes]**
- C) Persons with hostility have higher elevations of stress hormones
- D) The fight-or-flight response is a physiological reaction to stress or threat
- E) Stress is a major contributor to cardiovascular disease **Hostility experiment: the high anger subjects experienced almost three times as many coronary events as the low-anger subjects.**

By the light of a half-moon, you saw a car with its lights off careen along the street, strike what appeared to be a person, and continue out of sight. You cannot tell the police the colour of the car because...

- A) Cones cannot see colour.
- B) Rods do not work in dim light.
- C) The moon interferes with sensory adaptation.
- D) Cones require a lot of light and are best in daytime. [Its right, we remember this from lectures]agree**
- E) Colour blindness or weakness.

Are you smarter than a monkey? In one video, a monkey was shown several digits on a screen in random locations. The monkey was able to touch the digits in order very quickly and making very few mistakes. The monkey did much better than human subjects because...

- A) Most monkeys have higher intelligence than we believed in the past
- B) Most monkeys have quicker reaction time and better eye hand coordination
- C) Most monkeys have better short term memory than people
- D) These monkeys had much more practice than humans and so were better at the task nishant was sleeping [did this in last lecture]**
- E) The monkeys were genetically engineered to be smart

Alicia is working with her therapist to retrieve her 'lost' memories. Her therapist suggested to her that she was sexually abused as a child. Alicia strongly disagreed at the beginning and had no memory of being abused. But gradually over time she begins to 'remember' details of the abuse. What has probably occurred?

- A) The therapist may have plant 'false memories' [ in quiz, worded differently]**
- B) The therapist had hypnotized her to recover the memories
- C) We can be sure that Alicia really was sexually abused as a child
- D) This is an example of flashbulb memories

Tom Harrell, named jazz trumpeter of the year three times by Downbeat Magazine, is known for

the intricate melodies he composes. When Harrell was in his 20s, voices in his head ordered him to walk through a window after he had some orange juice. Was diagnosed with what disorder?

- A) Obsessive-compulsive disorder
- B) Multiple personality
- C) Schizophrenia [proff told us]**
- D) Dissociative disorder

Rounded bumps on the tongue that contain taste buds are known as...

- A) Prostaglandins.
- B) Cones.
- C) Epithelium.
- D) Papillae. [ no other options seem correct, and its in lecture notes]**

Which statement below about panic disorder is FALSE:

- A) It involves periods of mania followed by depression [ this symptom is of bipolar disorders] [also in quiz]**
- B) It may lead to agoraphobia (fear of crowded public places)
- C) It strikes at any time and without warning
- D) It involves a feeling of helpless terror

Deinstitutionalization refers to...

**During the 1950's and 60's in Canada and the United States, huge numbers of previously institutionalized mental patients were deinstitutionalized. In 1963**

- A) Preparing a patient for long-term stay at an institution
- B) Transferring patients from mental institutions to community**
- C) Taking homeless people off the street and putting them in institutional facilities
- D) Removing labels and stigma from people who are in mental institutions

Some people show little risk of becoming ill after exposure to chronic stress because...

- A) They may interpret stressors as challenges **Hardiness...associated with personality traits that include a sense of commitment, control, and a perception of problems as challenges**
- B) They focus their attention to external cues
- C) Stress is in the eye of the beholder **"these lines are from lecture notes exact"**
- D) May be due to malfunction of the adrenal gland
- E) Both A and C are true**

Which of the following is a true statement about mental retardation?

- A) Most retarded people are unable to live normal lives because of their mental deficiencies.
- B) Many of these individuals shed the label of retardation when they leave the school system

and become adults.

C) With special tutoring, a mentally retarded person can attain average intelligence.

D) Mental retardation is defined only by IQ (usually below 70) Mental retardation is a condition of limited ability indicated by low IQ (usually below 70), difficulty adapting to the environment, and onset that begins during the developmental period (by age 18).

Which of the following is true about the progression of language development in infants and children?

A) Language acquisition is mainly due to simple reinforcement and imitation.

B) Language and thought are separate and independent processes.

C) Babbling is unique to North American babies.

D) Children all over the world develop language skills at the same time and in the same order. (not all children develop their language skills at the same time – not every child utters their first word at exactly the same age or talks in full sentences at exactly the same age)

Deinstitutionalization has led to the treatment of many psychological disorders in the community rather than having people hospitalized. Which of the following is a problem encountered during implementation of this process?(r u sure)

A) People are separated from their families and friends

B) Has led to more homeless people on the streets

C) Patients may move in and out of hospital (revolving door problem)

D) Too often frontal lobotomies are used to ensure that patients in the community are calm and stable

E) B & C are both correct(not B) (its definitely B and C... Pg. 550 in text, his last lecture, and my lecture notes all agree.)

People in a mob may become disinhibited because they see themselves as anonymous and so have decreased responsibility. Likewise, if you could be invisible for a day, you might do some things that you would not normally do. This psychological process is known as...

A) Deindividuation

Deindividuation occurs when the presence of a group results in the loss of personal identity and a decrease in personal responsibility...thus behave much differently than they would on their own...e.g., riots after sporting events or rock concerts. In a group, we may become disinhibited because we see ourselves as anonymous

B) Groupthink

C) Dissociative disorder

D) Risky shift

There are several ways to help people who suffer from some form of deafness. What is the major difference between the type of help provided by hearing aids and cochlear implants?

A) Only cochlear implants are able to help people with damage to the hair cells [I just asked

**the prof... the answer is A]**

- B) Only hearing aids are able to help people with damage to the auditory nerve
- C) Unlike hearing aids, cochlear implants are widely accepted by members of the Deaf Community
- D) Hearing aids are much less expensive than cochlear implants

Some of our fears (such as Post-Traumatic Stress Disorder) may seem so irrational because

- A) We experience a feeling of learned helplessness
- B) Some people have a low threshold for fear or arousal
- C) The sympathetic nervous system increases the level of physiological arousal
- D) The amygdala's influence overpowers the reasoning portion of the brain [I asked the prof and the answer is D]**
- E) The left and right hemispheres of the brain are not communicating properly

Lobotomy was a popular fad between 1935 and 1955. Which statement is FALSE?

- A) There was no clear evidence it worked [it shd have worked thats why it got famous]
- B) Freeman used an ice pick for the surgery [he used ice prick in some surgery, we were shown that disgusting video]
- C) Patients often became docile after the procedure [somebody actually become docile]
- D) Was the first effective cure for schizophrenia [it wasn't so this shd be right]**

A major drawback to studying intelligence is...

- A) That emotional intelligence is actually more important
- B) There is no standardization, validity, or reliability in any intelligence test
- C) People can lie, as the tests involve questions with no right or wrong answer
- D) Intelligence cannot be measured directly but only through studying the intelligent acts people perform. (Sentence is right from the notes) -[CORRECT THIS IS FROM THE NOTES: - Physical characteristics like height and weight can be measured directly... intelligence cannot be measured directly...it can be evaluated only by studying the intelligent acts people perform.]**

Some schizophrenics may suffer from delusions and hallucinations. One of the most common is the belief that...

- A) They have super-powers such as the ability to fly
- B) They are possessed by devils or demons [In lecture notes somewhere, its right]**
- C) They have been abducted or are being pursued by aliens
- D) Their thoughts are being monitored or controlled by the government or the CIA. i think its D. classical case of paranoid schizophrenic.(crazy idea)

Head Start is a program used in the US to help the achievement level of disadvantaged

children. What was the result of this program?

- A) There was no improvement (short or long-term)
- B) Females benefitted more than males from the program
- C) Improvement in achievement disappeared after children entered the regular school system  
**“Head Start has been studied intensively for years and general conclusion is that it has little lasting impact on IQ...any improvements in IQ disappear within two or three years after starting school and gains are smallest for the most disadvantaged children...few “success” stories.”**
- D) Improvement was long lasting and the children continued to achieve at higher levels into high school

David J. Ross, a British Columbia man, claimed the RCMP used "subliminal messaging" technology to get inside his head something called a Neurophone to transmit "ultrasonic" waves into the brain. The judge said while the claims are "unusual and unconventional," the defendants didn't successfully argue their petition to have it dismissed. Which statement below is most likely correct?

- A) It is likely that we are all under surveillance from the government
- B) It is likely that David J. Ross was suffering from schizophrenia **[ shizophrenic people talks like this, our proff. said that in class]**
- C) It is likely that the judge was suffering from obsessive-compulsive disorder
- D) It is likely that the RCMP were using subliminal messaging and the Neurophone
- E) It is likely this was just a prank and not a serious charge

Which statement is FALSE (if any) about the sense of touch?

- A) Girls even as infants are more sensitive to touch than boys
- B) The skin is the largest sensory organ of the body
- C) Touch receptors in the back and neck are more sensitive and also higher in density **(wrong...fingers are the most sensitive)- [which makes sense for this to be the answer... since their asking for whats false :)]**
- D) The hand shown in the diagram to right feels sensation of “hotness”
- E) No statement is FALSE

Standardized intelligence tests have been criticized by many people as being inadequate measures of intelligence. What alternative has been suggested that is a better measure of intelligence than IQ tests?

- A) Evoked neurological potential ?? never mentioned in notes
- B) Positronic emission technology (PET)
- C) Reaction time
- D) Energy consumption by brain
- E) **There is no better measure yet [I asked the prof!!]**

In the romantic comedy 50 First Dates (2004), Adam Sandler plays veterinarian Henry Roth, who falls for Lucy Whitmore (played by Drew Barrymore) after meeting her in a cafe one morning. The two hit it off, and arrange to meet again. The following day, Roth returns to the

café to meet her, but she claims to have no recollection of him. As he leaves, the owner of the café takes him to one side, and explains that Whitmore "lost her short-term memory" after a "terrible car accident". We also learn that she can form new memories during the day, which are then wiped clean during her sleep, so that she wakes up to a "clean slate" every morning. Which information from this movie is most INACCURATE?

- A) Lucy has lost her short-term memory... **DAM SURE [I remember prof saying this] its inaccurate coz she lost her long-term memory not short-term**
- B) Lucy cannot form-new long-term memories
- C) Memories that Lucy forms each day are wiped out during her sleep[vote for it]
- D) A & C are both inaccurate

What did the "multi-stick" problem reveal about the chimpanzee?

- A) **Animals are able to plan, use tools, and solve simple problems right from the lecture notes "increasing length are arranged between the cage and the desired goal or object...animals are capable of planning, tool use, and simple problem solving"**
- B) Chimps are very intuitive
- C) They are aware of algorithms
- D) They could not understand the simplest of tasks
- E) The chimp was already trained to do the task

A century ago, leading causes of death were infectious diseases such as influenza, tuberculosis, polio, typhoid fever, etc. Today 7 to 10 leading causes of death are related to...

- A) Psychology experiments
- B) Mental disorders
- C) Type A personalities
- D) **Personal habits and lifestyles (right from the notes !! (This was taken straight from the notes: - A century ago leading causes of death were infectious diseases such as influenza, tuberculosis, polio, typhoid fever, etc...today 7 of 10 leading causes of death are related to personal habits and lifestyles)**
- E) None of the above

Below are several statements about intelligence. All statements are true EXCEPT...

- A) **"Forget me Not Panties" was the winner of a creativity contest [because this makes no sense <http://www.pantyraiders.org/forgetmenotpanties/> LOL]**
- B) Mildly retarded individuals are not always easily distinguished from the rest of the population. **thats true**
- C) Gifted people are more likely to have emotional problems than those of average intelligence (**it clearly says in the notes that gifted people have more emotional problems**)
- D) 90% of retarded individuals are in the mild category (IQ between 55 and 70) **that true**

**Which statement about stereotypes is most correct?**

- A) **Stereotypes save effort and energy by simplifying our social world [is this one correct? votes needed]**
- B) **Our stereotypes are easily changed by new information that differs from our initial perceptions.**
- C) **Stereotypes improve the accuracy of our perceptions**

- D) Stereotypes involve the creation of new schemas that reflect people's diversity
- E) All statement above are correct

What is NOT CORRECT in regards to the personal space bubble?

- A) When people move inside this bubble you become uncomfortable.
- B) In North America the average depth of the bubble is 2-3 feet.
- C) When intruded upon the body reacts by raising blood pressure and anxiety.
- D) Bubble may extend to driving and may explain some aspects of road rage
- E) NONE is INCORRECT...all of the above are CORRECT

Schizophrenia follows the "rules of fourths" when it comes to those being treated. Which of the following statements is not correct about the "rules of fourths"?

**A) One-fourth will be cured of schizophrenia permanently**

"rule of fourths"...one-fourth get well and stay well, one-fourth go on medication, do relatively well, and are able to live independently, one-fourth are well enough to live in a group home; and the final one-fourth stay do poorly and are usually institutionalized.

- B) One-fourth are well enough to live independently without medication
- C) One-fourth are well enough to live in a group home situation
- D) One-fourth do poorly and are institutionalized

At what age do infants begin specializing in speech sounds of their native language?

- A) 1-2 months
- B) 6-8 months
- C) 12-15 months
- D) 18-24 months

The immune system keeps us healthy by recognizing and destroying bacteria, viruses and tumours. Which statement about stress and the immune system is FALSE?

- A) Short-term stress actually "revs up" the immune system and is an adaptive response
- B) **The biological pathways that respond to stress include the liver, pancreas, and hippocampus**  
**[I trust this answer]**
- C) Chronic stressors beyond control are associated with harming the immune system
- D) Positive emotions and being happy lead to better immune functioning. **Happy people are more likely to engage in health-promoting behaviours and more likely to believe that they would be effective...positive emotions facilitate ability to cope with problems.**

Which of the following statements is FALSE about OCD (Obsessive-Compulsive Disorder)?

- A) A patient with OCD may feel compelled to wash their hands 100 times in a day.
- B) Some OCD's stem from the fear of being contaminated by germs.
- C) The film "The Aviator" illustrates a case of OCD where the patient chose to live in a small, dark, room.
- D) OCD sufferers may create ritual-like actions to protect themselves from an irrational fear.

E) The OCD patient is rarely even aware that s/he is displaying abnormal behaviour. **[agree] { makes most sense }**

Michael May regained his sight at the age of forty after being blind for almost his whole life. Which statement is TRUE?

A) After regaining his sight, the first thing he learned that same day was to recognize his wife face

**B) May was able to detect motion and color, but had a difficult time identifying objects..Based on what i remember from lecture**

C) He was a skilled skier and went even faster after he regained his vision

D) He made a remarkable adjustment to being sighted within just two weeks after the operation

E) All statements above are TRUE

Kanzi was tested with 300 odd or unusual demands (ex: "Put salt on the ball"), and responded correctly 298 of the times. Why were "unusual" instructions used in this case?

A) This is what Kanzi had practiced before the test

B) This would break a world record

**C) This would be more convincing that Kanzi can truly understand language**

**.....Kanzi was tested with 300 sentences she had never heard before and responded correctly 298 times (could not have been guided by non-verbal cues...Go the refrigerator and take out tomato...Put the grapes in the swimming poo..... to test knowledge of her language understanding..**

D) This would show how good Kanzi's memory is

E) This would show Kanzi's grasp of morphemes and phonemes

Pigeons have been trained to distinguish impressionist works by Monet and cubist creations by Picasso achieving a success rate of 90 per cent. This shows that...

A) Pigeons are able to think and reason much like people

B) Pigeons have a highly developed cerebral cortex

C) Disproves the Whorf hypothesis that thought is dependent on language

**D) Pigeons can learn complex behaviours if they are rewarded { WAS IN QUIZ } agree**

American military personnel at Abu Ghraib prison in Iraq engaged in sadistic abuse of their Iraqi prisoners. Zimbardo who 30 years earlier had designed the Stanford Prison Experiment claimed that this behavior....

A) Was due to a few bad apples

B) Was exaggerated and hyped due to media attention

C) Was the result of Post-traumatic Stress Disorder

D) Was due to situational pressures that led average people to commit abusive acts

E) Was due to a lack of adequate training and supervision

Which type of stress will lead to most damage to the immune system?

- A) Acute stressors of brief duration
- B) Chronic stressors that last for a long time [the immune system, The most chronic stressors – which are more beyond control and seem endless -- were associated with the most global suppression of immunity.]
- C) Perceiving a stressor as a challenge to be overcome
- D) Stress associated with positive circumstances (such as winning a lottery)

Which statement about Fragile X is FALSE?

- Fragile X syndrome results from an X chromosome gene mutation (the chromosome may be brittle or broken into two or more pieces. Prevents the production of a particular protein (the Fragile X mental retardation protein, or FMRP). This condition is second only to Down syndrome as a genetic cause of mental retardation and recent research also suggests that it may contribute to infantile autism. About 75% of Fragile X males show some degree of mental retardation whereas a majority of females with Fragile X chromosome are either intellectually normal or display only mild cognitive impairment. Investigators have located the gene responsible for this abnormality.

- Without FMRP, neurons develop abnormally long and spindly dendritic spines, the little branchlike projections that receive inputs from synapses by other neurons. Thin spines are associated with weak connections — and communication — between neurons.

- Studies involving mice bred with the disorder have produced encouraging results. Human research studies may begin soon

- A) Results from an X chromosome gene mutation
- B) Prevents the production of the Fragile X mental retardation protein
- C) Is a major genetic cause of mental retardation [ it cud be the answer as well ]
- D) May be caused by damage to the suprachiasmatic nucleus [ 100% sure, I searched google and got this answer ] Good Job

With respect to obsessive-compulsive disorder, each of the following is a compulsion except...

- A) Repeatedly washing one's hands.
- B) Checking and rechecking the locks on doors.
- C) Touching a spot on one's shoulder over and over.
- D) Uncontrollable nightmares...

Intelligence is polygenic and so is influenced by many different genes. Modern techniques for scanning the genome can compare billions of DNA base pairs from many subjects very quickly. This will enable the DNA of very intelligent people to be compared with DNA taken from people of lower intelligence. What are we most likely to learn from such analyses?

- A) How to eliminate mental retardation
- B) Which genes contribute most to intelligence [ in lecture notes somewhere ] ya
- C) Genetic engineering to breed for intelligence
- D) The causes of trisomy 21

For years, scientists harvested the brains of exceptionally smart people, trying to locate the source of their intelligence. What did we learn about intelligence from these studies?

- A) Smart people have more neurons
- B) Smart people have more myelination
- C) Smart people have a highly developed corpus callosum
- D) All of the above differences were observed
- E) None of the above differences were observed

Chomsky proposed that children learn language swiftly:

- A) Because they possess an innate language acquisition device.
- B) Through imitation, reinforcement, and shaping.
- C) As the quality of their thought improves with age.
- D) Because they need to in order to get their increasingly complex
- E) Because prenatal experiences give the child a headstart.

The memory that allows a person to know that the chemical symbol for salt is NaCl, that dogs have four legs, that  $3 \times 3$  equals 9, and refers to our general knowledge is known as...

- A) Episodic memory
- B) Semantic memory...

**Semantic Memory...refers to our general knowledge of the world and all of the facts we know. Semantic memory allows a person to know that the chemical symbol for salt is NaCl, that dogs have four legs, that  $3 \times 3$  equals 9, and thousands of other facts. Semantic memories are not tied to the particular time and place...in**

- C) Explicit memory
- D) Working memory

In an attempt to classify and assist with the diagnosis of psychological disorders, the American Psychiatric Association developed...

- A) The Mental Measurement Yearbook.
- B) The Multiaxial Diagnostic System
- C) The Diagnostic and Statistical Manual of Mental Disorders...**Not sure. Just know this is right. I dont have any reference..i agree to this answer**
- D) Roget's Psychological Thesaurus

One way to manage stress is through meditation. All of the statements below about meditation are true EXCEPT:

**Meditation effectively decreases arousal and anxiety...reduces heart rate, lowers oxygen consumption**

**Meditation shows qualities of both sleep and wakefulness...resembles the stage of sleep**

**known as hypnagogia**

- A) Resembles the stage of sleep known as hypnagogia.
- B) Increases glucose consumption. { in lecture notes }**
- C) Reduces heart rate.
- D) Decreases arousal and anxiety.

Dr. Oliver Sacks, a neurologist, wrote a book including a story of a man who mistook his wife for a hat. This man was suffering from:

- A) Split brain
- B) Visual agnosia { thats true, search google }**

**"Some people are unable to recognize faces...form of visual agnosia called prosopagnosia (face blindness)."**

- C) Blindness
- D) Amnesia
- E) Presbyopia

**Bilingual education continues to foster a great deal of controversy. Which of the following is FALSE?**

- A) When children learn two languages, it slows down cognitive development.**
- B) Language learning is more effective when it begins at younger age.**
- C) Bilingual Canadian children perform better than unilingual children on verbal/nonverbal tests of intelligence**
- D) Ability to pronounce a second language with the correct accent decreases after age 12**

Forgetting is probably due to several possible factors. Which answer below is LEAST LIKELY to explain why we may have trouble remembering certain things?

- A) We forget because other information gets in the way of what we want to recall (retrieval failure)
- B) We forget because the neurochemical "memory trace" that is formed tends to disintegrate over time
- C) We forget because of Freud's veil of amnesia (repression of unpleasant information by the superego) { common not everyone has amnesia }**
- D) We forget because certain information has actually failed to enter our long-term memory (encoding failure)

When the eye views an object physical energy detected by the receptor cells is converted into electrochemical impulse. Which of the following processes is this an example of?

- A) Transduction { when ever something is changed into energy, process is called tranduction } Agree repeted above . just asked differently**
- B) Bottom up processing
- C) Tympanic processing
- D) Parallel processing

E) Opponents process theory

When in groups a number of NEGATIVE results may occur. Which of the following is NOT a negative result of group behaviour?

- A) Groupthink **Groupthink...involves impaired decision making and avoidance of realistic appraisal to maintain group harmony**
- B) The halo effect [ all others are negative, so this shd be the answer..common sense]**
- C) Deindividuation **Deindividuation occurs when the presence of a group results in the loss of personal identity and a decrease in personal responsibility**
- D) Social loafing **Social loafing is the tendency to exert less effort in a group because of reduced accountability for individual effort**

What essential element promotes success of the therapeutic relationship?

- A) Therapist must have many years of experience
- B) Patient must have confidence and trust in the therapist [lecture notes]**
- C) Therapist must have credentials from a respected school
- D) Triangulation is key to therapeutic relationship

Former world chess champion Kasparov was beaten by Deep Blue, IBM's chess-playing computer. Which of the following statements is MOST CORRECT?-

- A) That Deep Blue is more intelligent than most "smart" people
- B) That Deep Blue was programmed to act and think like a human
- C) That Deep Blue was very good at imitating human reasoning
- D) That Deep Blue can analyze millions of chess positions every second [right from notes]**
- E) All of the above statements are TRUE

The ideal way to develop medications for mental illnesses is to first understand the process in which a disorder develops, and then create a drug which will change that process. The problem with this process is

- A) Many drugs are placed on the market before they are guaranteed to be completely safe.
- B) We do not fully understand the biochemical processes that account for most psychological disorders. 'In reality, we don't understand the chemical processes that account for most psychological disorders']Right from the notes**
- C) The testing of the drug is often clouded by the drug companies themselves.
- D) The testing of the drug is often carried out on not a large enough cross section of people.

**This disorder results from stroke or damage to a language centre in the brain. The symptoms of this disorder include difficulty in ability to speak, write, read, and comprehend the spoken language...what disorder is this?**

- A) Stuttering**
- B) Aphasia**

- C) Williams Syndrome
- D) Retardation
- E) Flynn Effect

In the movie Memento, Leonard Shelby is a man who seeks revenge for the rape and murder of his wife. One complication with this plan—Leonard suffered a head injury from a scuffle with his wife’s killers and has lost the ability to make new memories. As Leonard explains in the movie, “If I talk to you for too long, I probably won’t remember who you are or even why I started talking to you in the first place.” To compensate, Leonard is constantly taking Polaroid pictures of people he meets and places he goes and writing messages on the pictures. Important facts, such as information about the crime, he has tattooed all over his body. Three of the statements below describe elements of the movie that are unrealistic. Which is the only aspect of the movie described below that is realistic or reasonable?

- A) Leonard is totally aware of what his disorder is, how he got it and what its symptoms are
- B) Leonard maintains his intelligence, his ability to reason, and basic skills such ability to drive car**
- C) Leonard is quite functional and independent as he pursues his wife’s killer
- D) Leonard can remember where he parks his car, finds Natalie’s address and drives to her house

Craniometry was the measurement of skull volume and its relation to intellectual faculties. The conclusion of this line of research more than 100 years ago was that....

- A) Skull or brain size has no connection to intelligence
- B) Criminals had especially small brains and limited intelligence
- C) Personality traits can be identified by bumps on the skull
- D) Men were more intelligent because they had larger brains - Broca’s Craniometry...the measurement of skull volume and its relation to intellectual faculties, Men were more intelligent because they had larger brains**
- E) Monkeys and people had the same skull size and so were equally intelligent

There are four different types of schizophrenia. While schizophrenics are not dangerous as a class, which type has the most potential for violence?

- A) Disorganized schizophrenia
- B) Catatonic schizophrenia
- C) Paranoid schizophrenia { prof. has told many stories, like murder in bus and etc., all were paranoid }**
- “While schizophrenics are not dangerous as a class of mental patients, paranoid schizophrenics often retain enough of a planning function to plan and carry out crimes, usually spectacular ones.”**
- D) Undifferentiated schizophrenia
- E) All have equal potential for violence

People in a mob may lose their inhibitions because they see themselves as anonymous and so

have decreased responsibility. This psychological process is known as...

- A) Deindividuation { in notes 100% correct }
- B) Groupthink
- C) Dissociative disorder
- D) Risky shift

In the movie "The Bourne identity", Jason Bourne has a case of dissociative amnesia. What has he forgotten?

- A) Has forgotten everything and must re-learn as a baby would
- B) He has forgotten details of his personal life but retains life skills like knowledge of several languages {seen the movie so thats enough }
- C) He has lost his short-term memory but retains long-term memory
- D) He has lost the ability to transfer memories from short-term to long-term
- E) He cannot remember details of the traumatic episode but can remember everything else

If you were talking to a friend and describing your first kiss, which happened years ago, you would be relying on which type of memory for this information?

- A) Sensory memory
- B) Episodic memory {verify it}agree. based on my semantic memory
- C) Procedural memory
- D) Semantic memory
- E) Pseudo-memories

Some schizophrenics are prone to hallucinations. Which statement is FALSE?

- A) The most common hallucinations are auditory (voices)...this is true
- B) Hallucinations seem perfectly real to the patient...true too
- C) Are usually negative experiences ( threatening or frightening)...THIS IS ALSO TRUE
- D) Occur when the schizophrenic is in a hypnotic state called hypnogogia. " that in meditation not schizo " ...SO THIS MUST BE FALSE

"We walked down the path to the well-house, attracted by the fragrance of the honeysuckle with which it was covered. Someone was drawing water and my teacher placed my hand under the spout. As the cool stream gushed over one hand she spelled into the other the word water, first slowly, then rapidly. I stood still, my whole attention fixed upon the motions of her fingers. Suddenly I felt a misty consciousness as of something forgotten--a thrill of returning thought;

and somehow the mystery of language was revealed to me. I knew then that "w-a-t-e-r" meant the wonderful cool something that was flowing over my hand."

The above statement is a description of the discovery of language by...

- A) The poet Emily Dickenson
- B) Helen Keller (deafblind author, activist, and lecturer)
- C) Noted autistic Temple Grandin
- D) Genie (who had been locked in a room until 13 years of age)

Feature detectors are specialized neurons in the cortex that...

- A) Identify whether an object small or large, near or far.
- B) Take the upside image from the retina and reverse the features so we see the world correctly.
- C) Discriminate one face from another.
- D) Recognize particular lines, shapes or patterns.

Which of the following statements about aggression is NOT correct?

- A) Children who watch more violence on TV are more aggressive and also do more poorly in school
- B) Males are more aggressive in every culture and also in animal and human species
- C) Children who get spanked tend to become less aggressive { opposite is true ,from lecture notes} YA
- D) Aggression is largely due to both biological and cultural differences

The two basic photoreceptors contained in the retina are called

- A) Rods and cones. { because we know this }
- B) Horizontal and vertical shifters.
- C) Chromes and radicals.
- D) Fissures and convolutions.
- E) Afferent and efferent neuron

What is the best predictor of whether or not a person will get schizophrenia?

- A) Having a close relative who has schizophrenia. SAID IN CLASS
- B) If the newborn has a very low birth weight
- C) Children raised in a punitive family environment
- D) A defect on chromosome 12 leads to schizophrenia 50% of the time
- E) A combination of several high risk factors during prenatal development (e.g., poor nutrition)

Fight or Flight: This response stimulates the sympathetic nervous system to prepare the body to meet a stress situation. Which of the following is FALSE:

- A) If the body is digesting food, that is stopped immediately
- B) Hormones including adrenaline prepare the body for action
- C) Your breathing becomes faster to increase oxygen
- D) Heart rate slows down in order to conserve energy ( In lecture notes: heart rate always goes up in fight or flight situation)
- E) Glucose is released into the bloodstream as fuel

What is the main focus of Beck's cognitive therapy?

- A) Aims to release the patient's anger and is often quite confrontational
- B) Errors in thinking are replaced by more logical thought processes  
Psychological problems arise when people think illogically about themselves (I am worthless), the world they live in, and the future (Things are never going to get better). The goal is to help the individual recognize and eliminate self-defeating thoughts and beliefs.
- C) Combination of changing thoughts and behaviours
- D) Uses systematic desensitization to promote positive thinking

\*\*Animal language is NOT considered productive or generative because...

- A) The average person cannot understand its meaning
- B) There are no written words to describe thoughts
- C) The communication is quite limited and the sounds cannot be put together in complicated ways [ some examples are given in lecture notes, so 100% correct ]
- D) Animals don't have the needed vocal apparatus to make understandable sounds
- E) They are only able to use sign language

While studying for a test, you process the information in terms of its meaning, and you associate the new information with information that you have learned in other classes. This is an example of ...

- A) Parallel processing
- B) Elaborative rehearsal... BASED ON MY SEMATIC MEMORY
- C) Shallow processing
- D) Maintenance rehearsal

In Asch's conformity experiment, participants were asked to pick which line was the longest. When others in the group INCORRECTLY chose the shorter line as correct, people tended to...

- A) Go along with the rest of the group even though the answer was clearly wrong [ agrees, its called "conformity" ]
- B) Choose the correct answer even though no one else did
- C) Choose the correct line if at least one other person had already chosen the correct answer

- D) Tried to persuade all the other “participants” that they were mistaken
- E) Both A and C are correct

When looking at a diagram of three groups of broken circles (as shown), most people will see a triangle even though there is no triangle drawn in to see. What did Gestalt psychologists conclude about this phenomenon?

- A) Our brain has a powerful tendency to form meaningful patterns **[ was in quiz, its called gestalt psychology ] agree 100% true**
- B) That our eyes will often fool us
- C) That our brain cannot be easily fooled by illusions
- D) That our unconscious mind is stronger than the conscious mind

Which of the following statements about PTSD is FALSE?

- A) Ordinary events can serve as reminders of trauma and trigger flashbacks
- B) PTSD symptoms always begin almost immediately after the trauma (within days) **[ i think i read or heard this before, 100% he gave one example of a soldier in class ]**
- C) Not everyone exposed to the same traumatic events develops PTSD
- D) Sexual abuse and assault victims are considered by some to be the single largest group of sufferers

A patient in a psychiatric hospital who is receiving medication to control the hallucinations and delusions associated with paranoid schizophrenia is taking an ...

- A) Antianxiety drug
- B) Antidepressant drug
- C) Antipsychotic drug... **[ very obvious, agree ]**
- D) Anticonvulsive drug

Which statement about the effectiveness of antidepressants is TRUE?

- A) Improvement usually occurs within one or two days
- B) **Some people may respond to one class of antidepressant but not another**
- C) Antidepressant drugs have been effective in treating about 90% of patients
- D) For each patient diagnosed with severe depression, we know which medication will be most effective

Mindball is a device that monitors the brain waves of you and a competitor on the other side of the table. The more relaxed you are the more you can control the ball and defeat your opponent.

- A) Mindball is a form of brainwashing

- B) Mindball is a form of transcendental meditation
- C) Mindball is a form of cognitive therapy
- D) Mindball is a form of biofeedback training

"Mindball as example of biofeedback" ...right from notes..ok agree

In 1966 Charles Whitman killed 15 people at the University of Texas. The autopsy revealed that he had a tumor in the brain. What was the neurobiological factor involved?

- A) The tumor triggered our self-destructive instinct
- B) The tumor triggered an uptake of serotonin resulting in vicious behavior
- C) The tumor cut off the uptake of dopamine to the brain

D) The tumor stimulated the lower limbic system which can result in vicious behavior { search wikipedia, i saw this in lecture notes aswell }

The following statements describe Francis Galton's work related to intelligence. Which statement is FALSE?

- A) He was the first to focus on the nature vs nurture dichotomy wrong!!!
- B) He discovered a way to measure intelligence directly
- C) He was influenced by Darwin's theory of evolution
- D) He studied twins to look at heritability of intelligence- correct

"Francis Galton (1822–1911), who developed the phrase "nature versus nurture"

Which of the following receptors has the highest threshold for responding (in other words, is less sensitive)?

- A) Temperature
- B) Pain
- C) Touch
- D) They're all equal

"receptors...pain has higher threshold for responding than receptors for touch and temperature."

What process tends to maintain harmony and unanimity during group decision making while suffocating differences of opinions?

- A) Deindividuation
- B) Stereotypic thinking
- C) Social facilitation

D) Groupthink Groupthink...involves impaired decision making and avoidance of realistic appraisal to maintain group harmony...

The hammer, anvil, and stirrup are parts of the ...

- A) Trichromatic theory
- B) Mitchell's bionic arm
- C) Inner ear { i just remember this }
- D) Kinesthetic senses
- E) Visual system

In class we discussed the killing of Tim Maclean on the Greyhound bus en route from Edmonton to Winnipeg. The psychiatrist said that Vincent Li performed the attack because God's voice told him McLean was a force of evil and was about to execute him. The presiding judge accepted the diagnosis, and ruled that Li was not criminally responsible for the murder. Vincent Li was diagnosed as...

- A) Having dissociative identity disorder
- B) Having anterograde amnesia
- C) Being a paranoid schizophrenic { proff. told us }
- D) Having generalized anxiety disorder

Darwin's theory of evolution was a major breakthrough for psychologists, but Darwin's cousin Galton was the individual who proposed the phrase "nature vs. nurture." Nature vs. nurture refers to which of the following in terms of intelligence?

- A) Genetics vs. environment { needs to confirm }correcttt!!
- B) Cognitive vs behavioural approach
- C) Intrinsic vs extrinsic motivation
- D) Machines vs human information processing
- E) The mind-body problem

According to information in the notes (see chart, people are least likely to seek treatment for which of the following disorders?

- A) Bipolar disorder
- B) Major depression
- C) Phobia disorder { see the chart }
- D) Panic disorder
- E) Obsessive compulsive disorder

Systematic desensitization is a technique used to reduce phobias that involves...

- A) Telling phobic people that they are being irrational
- B) Assuring phobic people that their fears are legitimate
- C) Exposing phobic people gradually to feared stimuli while they stay calm and relaxed { in lecture notes, phobic people go thru series of steps and try to be clam..and relaxed }
- D) Ensuring that phobic people will never have to encounter their fear

You are at a bar when you suddenly recognize a friend from across the crowded room. In order for this to occur, the “what” and “where” pathways are used simultaneously to process the information about your friend and to unify the information into a complete picture. This is an example of...

- A) Transduction
- B) Bottom up processing
- C) Tympanic processing
- D) Parallel processing {given in lecture notes}
- E) Opponents process theory

What is the most common non-genetic cause of mental retardation in North America?

- A) Poor prenatal nutrition
- B) PKU
- C) Low birth weight
- D) Anoxia
- E) Fetal alcohol syndrome in lecture notes - It is the most common known non-genetic (non-inherited) cause of mental retardation in North America.

When we saw the short video of a schizophrenic patient, we noticed that...

- A) She remained quite immobile refusing to speak
- B) She became agitated and aggressive towards the interviewer
- C) The things she was saying were disorganized and didn't make a lot of sense [i know this]
- D) She spoke in telegraphic speech ...short phrases of one or two words only

\_\_\_\_\_ can occur when short term memory is filled to capacity and an incoming item pushes out an existing item which is then forgotten.

- A) Displacement [saw / heard it before].....sure
- B) Temporary amnesia
- C) Senility
- D) Interruption

Which of the following sounds would be the easiest to localize (determine where it is coming from)?

- A) One directly in front of you
- B) One directly above your head
- C) One directly behind you
- D) One directly to your left { because slight different noise in left and right ear this is called

**sound localization given i n lecture notes }**

We believe that infants are biologically prepared to learn language for several reasons. Which of the following does NOT support a biological basis for language acquisition?

- A) Because children in all cultures learn language by going through very similar stages of development.
- B) Because there are hundreds of different languages experience an environment must play a role.
- C) Because Broca's & Wernicke's areas of the brain are specialized for language.
- D) There is a critical period between 18 months and puberty when a first language must be learned.

Jane is very competitive, hard driven, has little to no patience, and in many situations is hostile. She is considered to have a type A personality factor. This puts Jane at risk for health problems like. . .

- A) Obesity and diabetes
- B) Pneumonia and asthma
- C) Arthritis and osteoporosis
- D) Heart disease and heart attacks

The fluid-filled, spiral structure of the inner ear is called the...

- A) Hair cell.
- B) Eardrum.
- C) Cochlea. {if its spiral thn it has to be cochlea } [also a quiz question ]
- D) Oval window.

Studies show that people with a(n) \_\_\_\_\_ had three times as many heart attacks.

- A) Angry disposition
- B) Fight versus flight response
- C) Angry temperament

"investigators found an elevated incidence of heart attacks among participants who exhibited an angry temperament."

- D) Overeating disorder
- E) None of the above

Although the drug Lithium is effective in treating Bipolar Disorder, it needs to be closely

monitored when patients take it because....

A) The effective dosage is almost toxic

**Lithium is widely used to treat bipolar disorders...even out the moods of patients and reduce the number and severity of episodes of both mania and depression... and must be closely monitored because the effective dosage is very close to toxic levels**

B) It can induce epileptic seizures

C) The drug can cause massive weight gain, often resulting in diabetes

D) The drug can react violently with certain common foods

Which statement about phobic disorder is FALSE?

A) Phobia is overwhelming fear associated with a specific object or situation

B) Biological contributors to phobic disorders may include the thalamus and amygdala

C) People with phobic disorders view their fears as being very rational and reasonable

**D) Phobias may be due to classical conditioning and observational learning { because phobias are triggered by incidents not conditioning ,proff. told us }**

The \_\_\_\_\_ acts as a relay station for sensory messages on their way to the cortex (vision, hearing, taste, and touch). Thus even a small injury in this area can cause deafness, blindness, or loss of other senses.

A) Sensory cortex

B) Corpus callosum

C) Cerebrum

**D) Thalamus [ we know this thats it! ]**

E) Pituitary gland

During the Vietnam War, American forces attacked a village believed to be a Viet Cong stronghold. Instead of finding the enemy, the troops found unarmed civilians. The soldiers began shooting indiscriminately and 500 people were slaughtered including women, babies, old men. Which statement below is FALSE?

A) Hugh Thompson resisted orders of officers and did not follow the actions of other soldiers

**B) In the aftermath of the massacre, the soldiers on the scene made an effort to cover up the killings, " right from the lecture notes ... the aftermath of the massacre, the soldiers on the scene made an effort to cover up the killings, minimizing the number of civilian casualties to a couple dozen. Thompson eventually testified in the My Lai massacre trials ..."**

C) Thompson eventually testified in the My Lai massacre trials that followed

D) Hugh Thompson was welcomed home by the media as an American hero-- correct!!! asking what is FLASE

Which is NOT a property of rods?

- A) Receptors for black and white
- B) Found mainly on outer area of retina
- C) Works very hard at night { not sure }
- D) Located in the optic chiasm { everything else is true, so this one has to be false }

What is the primary factor in determining which information from sensory memory moves on for further processing?

- A) Iconic imagery
- B) Attention { if we focus our attention then its processed otherwise not, makes sense to me }
- C) Storage capacity
- D) Elaborative rehearsal
- E) Recognition

Each of the following is considered an Anxiety Disorder EXCEPT:

- A) Panic Disorder
- B) Obsessive-Compulsive Disorder
- C) Bipolar Disorder { it includes mania stage as well }
- D) Post-traumatic Stress Disorder

People who suffer from schizophrenia and people who suffer from Parkinson's disease both have either an imbalance or a loss of this substance...

- A) Nor epinephrine
- B) Dopamine [PROF SAID...IF U SEE DOPAMINE ANYWHERE SELECT THAT]
- C) Serotonin
- D) Prozac
- E) Morphine

Which of the following is true about psychological disorders?

- A) People with psychological disorders are often violent or dangerous
- B) Once diagnosed, a person can never be cured of a mental disorder
- C) Abnormal behavior is always bizarre
- D) Disorders can be influenced by biological, psychological, and sociocultural factors { makes sense, i agree }
- E) All the above statement are TRUE

Considering those people who are classified as mentally retarded...

- A) About 90% will eventually recover from the condition
- B) About 90% are cultural-familial form of retardation
- C) About 90% are males
- D) About 90% are in the mild range **“lecture notes, directly from there “**

“I was just following orders.” That was the essence of Adolf Eichmann’s defense when he was tried for his war crimes, which included masterminding the Nazis’ attempted extermination of European Jews. According to Milgram’s research...

- A) Some people like serial killers are born evil and cannot be reformed
- B) Most people may be pressured to commit evil acts that hurt others **“lecture notes, same lines “**
- C) Fewer than 1% of the population will follow through with hurting others
- D) When genetic factors overpower situational factors, evil acts may occur

A man is more likely than a woman to be born with colour blindness because...

- A) Of trauma to the optic nerve
- B) He has a defective Y chromosome from his father
- C) He has a defective X chromosome from his mother **[ because father can’t have y, males = xx and females = xy ]**
- D) He has two recessive genes from his mother and father
- E) He has a malfunction in the optic chiasm

\_\_\_\_\_ are created during times of personal tragedy or other emotionally significant events

- A) Unconscious memories
- B) Explicit memories
- C) **Flashbulb memories**
- D) Working memories
- E) Obsessive memories

When looking at the intelligence of adopted children what do we find?

- A) They are correlated only with the adoptive family
- B) **They are correlated only with their biological family { proff. mentioned it many times }**
- C) They are correlated equally with the adoptive and biological family
- D) There is little correlation with the adoptive or biological family

Which of the following does NOT belong in Carl Rogers person-centered therapy?

- A) Direction and control by therapist
- B) Empathy and active listening
- C) Unconditional positive regard
- D) Patient insight and self-reflection

When a person is suffering from an anxiety disorder they are most commonly prescribed a \_\_\_\_\_ for treatment of the disorder.

- A) Tricyclic
- B) SSRI (selective serotonin reuptake inhibitor)
- C) Benzodiazepine { just remember this, 100% correct }
- D) Neuroleptic

Bandura did some early research where children observed a model being aggressive towards someone else. Later the behaviour of these children was observed during play sessions. What implications might this research have for the use of spanking by parents?

- A) The more children are spanked the more they will listen to their mothers
- B) The more children are spanked the more they will imitate this aggressive behavior { because it's 100% right }
- C) The more children are spanked the less they will engage in aggressive behavior
- D) Spanking should be used only for boys and not for girls' misbehavior

Einstein the parrot was able to say many different words including referring to himself as a "Superstar". How can this best be explained?

- A) Einstein was a super-intelligent parrot about as smart as five-year old child
- B) Einstein had mastered speech in the same way a child learns language
- C) Einstein learned to speak words in small steps through reinforcement (reward)
- D) Einstein had a brain injury which led to the re-wiring of his brain and special abilities

In regards to positive emotions and health, it has been documented that positive emotions are linked to the release of what substance that plays a role in the early immune reaction to viruses and bacteria?

- A) Hemoglobin.
- B) Cortisol.
- C) Immunoglobulin A. { given in lecture notes, 100% right }
- D) Lymphocytes.

Perception depends heavily on the selection of sensory input or in other words, what people focus their attention on. A visual scene may contain many objects, some may capture our attention and others not. In one video a man and woman showed us a card trick but as we carefully watched the cards, most of us did not notice...

- A) The cards were actually all the same colour and not black and red as in a normal deck
- B) The man and woman changed their shirts to a different colour { selective attention }
- C) The man that started the trick was different from the man who finished it
- D) People in the background throwing pies at each other

There are some people born without the sense of pain because their nervous systems are not equipped to detect painful information. The following statements are true EXCEPT for?

- A) Without ability to detect painful events, you would continue to cause injury to yourself.
- B) Pain acts as a warning system that protects you.
- C) If you have your hand on a hot stove, pain tells you to stop touching the stove and remove your hand.
- D) Feeling no pain enhances your other senses { makes no sense, 100% wrong, so this option 100% correct }
- E) If you broke a bone in your arm, you might continue using the arm because it did not hurt

\_\_\_\_\_ can involve the senses being mixed up. The most common symptom of this disorder occurs when someone always sees a certain color in response to a certain letter of the alphabet or number.

- A) Parallel processing
- B) Visual agnosia
- C) Stereopsis
- D) Retinal disparity
- E) Synesthesia { trust me, its just right }

Which statement about stress is FALSE?

- A) Chronic emotional stress is associated with high blood pressure
- B) Most stomach ulcers and gastritis are caused by stress [ we just did that question before ]
- C) Persons with hostility have higher elevations of stress hormones
- D) The fight-or-flight response is a physiological reaction to stress or threat
- E) Stress is a major contributor to cardiovascular disease

In one test, 6 to 12 month old infants are placed in the middle of a flat table so they can have a choice of crawling to the shallow side or the deep side. Most infants choose the shallow side; in fact most infants refuse the deep side even when their mother is calling them. This is due to...

- A) Separation anxiety
- B) Depth perception [ was oin quiz ]
- C) Contact comfort
- D) Egocentrism
- E) Visual immaturity

In the early 50's and 60's Dr. Ewan Cameron, founder and director of the Allen Institute in Montreal became a significant figure in the field of psychology. Which of the following did he NOT do?

- A) Obtain consent from all of his patients
- B) Receive funding from the C.I.A. (Central Intelligence Agency – USA)
- C) Expose patients to massive doses of shock therapy
- D) His treatments caused some patients to lose much of their episodic memory
- E) Use LSD, hours of tape recordings, and sensory deprivation in his experimental treatments

Which of the following statements about aggression is FALSE?

- A) There appears to be a genetic link to aggression.
- B) There is an “aggressiveness centre” in the hypothalamus of the brain [ no where in lecture notes ]
- C) Alcohol, which suppresses our inhibitions, has been strongly linked to aggression
- D) Neurotransmitters such as serotonin are linked to aggression

Which statement about language acquisition is FALSE?

- A) Language acquisition starts before birth.
- B) At 9 or 10 months babbling may involve repeating syllables on and on (e.g., bah-bah-bah-bah-bah-bah)
- C) Between 11 and 13 months, babies utter their first words... dada...ball...cat
- D) “Give me the ball” is an example of telegraphic speech (certain words are left out)

Which of the following statements about the memory is FALSE?

- A) Gaps in memory may be filled with logic, guessing, and new information
- B) It is easy to have memories of things that never happened
- C) Memory is like a video recorder capturing every aspect of an experience as it occurs
- D) Updating one's memory is also referred to as constructive processing

Which of the following statements about treatment of schizophrenia with neuroleptics is FALSE?

- A) They are toxic and produce tardive dyskinesia
- B) They reduce hallucinations and delusions
- C) They provide the only known permanent cure for schizophrenia
- D) They block dopamine activity in the brain

What is so different about how the image of objects appears on the retina?

- A) The retina views things upside down but the brain changes the image to right side up.
- B) The retina views in black and white but the brain adds in the colour.
- C) The retina can only see objects far away but the brain clarifies near objects.
- D) The retina can only see objects up close but the brain clarifies far objects.

In Asch's conformity experiment, participants were asked to pick which line was the longest. When others in the group chose the shorter line as correct, people tended to...

- A) Go along with the rest of the group even though the answer was clearly wrong
- B) Choose the correct answer even though no one else did
- C) Choose the correct line if at least one other person had already chosen the correct answer
- D) Tried to persuade all the other "participants" that they were mistaken
- E) Both A and C are correct

The primary factor in determining which information from sensory memory moves on for further processing is...

- A) Whether the information is iconic (visual) or echoic (auditory)
- B) The strength of the incoming sensory signal
- C) Whether or not we focus our attention on the information
- D) All information has approximately equal chance of moving on for further processing

Which of the following statements about aggression is NOT correct?

- A) Children who watch more violence on TV are more aggressive
- B) Males are more aggressive in every culture and also in animal and human species
- C) Children who get spanked tend to become less aggressive
- D) Aggression is due to both biological and cultural differences

Which of the following would best describe a situation involving the use of your semantic memory?

- A) Remembering how to ride a bicycle.
- B) Trying to push an embarrassing memory out of your awareness.
- C) The conditioned response of knowing that when the school bell rings, your class is over for the day.
- D) Knowing that  $9 \times 3$  equals 27. **Semantic Memory...refers to our general knowledge of the world and all of the facts we know. Semantic memory allows a person to know that the chemical symbol for salt is NaCl, that dogs have four legs, that  $3 \times 3$  equals 9, and thousands of other facts. Semantic memories are not tied to the particular time and place...in**

In the field of intelligence, what is the main reason why researchers often conduct studies of twins?

- A) To look at the effects of pre-natal experience on intelligence
- B) To study Whorf's linguistic hypothesis (language affects thought)
- C) **To determine how much of intelligence is hereditary and how much is due to environment**
- D) To look at the developmental changes in intelligence across the lifespan

Professor Fiore is watching T.V in his living room when the power goes out. He gets up from the couch and tries to make his way to the kitchen where he keeps a flashlight. It is pitch black and he can hardly see a thing but he continues on. What part of the eye is working the hardest?

- A) The Cones
- B) The Pupil
- C) The Iris
- D) **The Rods**
- E) The Cornea

What is one major risk factor for Down Syndrome?

- A) Exposure to rubella
- B) Exposure to smoking during pregnancy
- C) Older maternal age [ was in quiz ]
- D) Poor prenatal nutrition
- E) Maternal drug use during pregnancy

\_\_\_\_\_ is one of the most serious psychological disorders. Characteristics of this disorder include incoherent speech, delusions, hallucinations or catatonic behaviour

- A) Alzheimer's
- B) Dissociative amnesia
- C) Bipolar disorder
- D) Depression
- E) Schizophrenia

The characteristic most closely associated with coronary disease is...

- A) Hostility or anger

**Type A characteristic most associated with coronary disease is hostility. For example, in one study of almost 13,000 men and women who had no prior history of heart disease (Williams et al., 2000), investigators found an elevated incidence of heart attacks among participants who exhibited an angry temperament.**

- B) Anxiety.
- C) Self-denial
- D) Being too relaxed and easygoing
- E) Fear of failure

In the case study of Mr. P., The Man who Mistook His Wife for a Hat...which statement is FALSE?

- A) Mr. P. really did try to pull off his wife's head because he thought it was a hat(!)
- B) Mr. P. failed to recognize people he had known for many years
- C) Mr. P. became depressed over his disability and could no longer work
- D) Mr. P. made adjustments to his life so that could continue to function adequately

Animals can be trained to do many things using simple rewards such as food. Which of the

following experiments with pigeons did we see on the video in class?

- A) Teaching pigeons to play video games
- B) Teaching pigeons to play the piano with their beaks
- C) Teaching pigeons to whistle the "Happy Birthday" song
- D) Teaching pigeons to discriminate between paintings by Picasso and Monet

If you slowly wave your finger or a pencil in front of you while staring straight ahead, you will see a shadowy image that trails behind the object. This is a simple demonstration of ...

- A) The operation of a false memory
- B) The operation of short-term memory
- C) The operation of sensory memory
- D) The operation of flashbulb memory

In Post-traumatic Stress Disorder, a traumatic event is relived repeatedly through thoughts, dreams or "flashbacks". Researchers are looking at which area of the brain as a possible cause of this disorder?

- A) Hypothalamus
- B) Thalamus
- C) Occipital lobe
- D) Basal ganglia
- E) Amygdala

The Retina is the primary mechanism of sight. Which of the following is the best description of the retina?

- A) The part that fine tunes the focus of the image by flexing its curvature (accommodation).
- B) The clear curved membrane just in front of the eye, covering the pupil and iris totally.
- C) The part that receives light from objects we see and converts this information into electrical impulses.
- D) The part that controls the amount of light entering the eye, either opening or closing to emit light.

In evaluating physical diseases, people can usually agree that a malfunctioning heart or kidney is pathological, regardless of their personal values. However, judgments about mental illness

reflect prevailing cultural values, social trends, and political forces, as well as scientific knowledge. One example that used to be considered a disorder but now is not is...

- A) Substance abuse
- B) Anorexia
- C) Homosexuality
- D) Depression
- E) Adultery

Because a severely depressed person did not respond to any treatment during the past year, a team of therapists has decided that inducing a brain seizure is the only remaining alternative. Therefore, the patient will receive....

- A) Psychosurgery
- B) An antipsychotic drug
- C) Lithium overload
- D) Electroconvulsive therapy
- E) Aversion therapy

Hostility may be the crucial toxic element in Type A personality. Which of the following is FALSE?

- A) Hostility increases blood pressure and the risk of heart attack
- B) Hostility increases our sense of personal control and self-efficacy
- C) Hostility may raise testosterone levels, which decreases protective lipoproteins
- D) Hostility leads to higher levels of stress hormones and slower recovery from stress

Walter Freeman made lobotomy popular between 1935 and 1955. Which statement is FALSE?

- A) There was no clear evidence this procedure worked for most patients.
- B) Freeman travelled around in his own personal van, which he called his "lobotomobile".
- C) Patients often became docile after the procedure.
- D) Lobotomy was the first effective cure for schizophrenia

Which symptoms best describe what a person would experience if they were suffering from aphasia?

- A) Problems recognizing familiar symbols and or objects.
- B) A drastic change in one's personality.
- C) Problems understanding simple concepts that were once familiar.
- D) Difficulty speaking, writing, reading or understanding spoken language.
- E) Problems with the sensory area of the brain, resulting in loss of "feeling".

Following a severe brain injury K.C. was unable to consciously recollect anything that had ever happened to him but was able to remember many facts about things like geography and history.

K.C. had lost his \_\_\_\_\_ while his \_\_\_\_\_ was preserved

- A) Long-term memory...short-term memory
- B) Semantic memory...episodic memory
- C) Episodic memory...semantic memory
- D) Retrospective memory...prospective memory

Where is the blind spot of the eye located?

- A) In the occipital lobe.
- B) At the fovea.
- C) At the part of the retina where the optic nerve leaves the retina.
- D) At the optic chiasm where pathways intersect.

A woman is more likely than a man to be diagnosed with...

- A) Depression. [ proff. told ]
- B) Antisocial personality disorder.
- C) Substance abuse.
- D) Alcoholism.
- E) All of the above

The term biofeedback refers to...

- A) Using probes for deep brain stimulation
- B) Monitoring performance of the heart using pacemakers
- C) A form of genetic testing that uses DNA extracted from the developing embryo
- D) Monitoring biological states like blood pressure or brain waves

Which of the following is FALSE about ECT (Electroconvulsive Therapy)?

- A) ECT can cause short term memory loss
- B) ECT causes a seizure in the brain
- C) ECT is no longer used today because of ethical concerns
- D) Some people have received hundreds of ECT treatments
- E) ECT has been approved by the American and Canadian psychological Associations

In class we saw a video of two people on a roller coaster ride. This was intended to demonstrate that...

- A) Physiological arousal is linked to emotions
- B) Two people may interpret the exact same experience as stressful or as enjoyable
- C) Some people can use meditation to control or reduce their arousal
- D) Fear cannot be controlled no matter how hard we try

E) The amygdala overpowers the rational part of the brain

### YELLOW HIGHLIGHTED LINES ARE REFERENCES TO THE ANSWERS FROM THE LECTURE NOTES/ WEBSITES or VIDEOS

In terms of stress responses, cognitive appraisal refers to...

- A) An individual's interpretation of a situation as harmful, threatening, or challenging “- Whether an event is seen as threatening or as merely challenging depends on cognitive appraisal (our interpretation)...stress lies in the eye of the beholder...events that are stressful for one person may be routine for another”
- B) The negative consequences that result from contact between two distinctive cultural groups
- C) A conflict in which the individual must choose between two unattractive alternatives
- D) A personality type which includes a sense of alienation and powerlessness

About 50% of mental retardation cases are organic. Which of the following is NOT CONSIDERED ORGANIC factor?”About 50% of cases are organic...Organic retardation is mental retardation caused by a genetic disorder or by brain damage (birth injuries, fetal damage from disease, infection, or drug use)...”

- A) Genetic disorders (e.g., Down syndrome)
- B) Inadequate nutrition or early stimulation “common sense”
- C) Fetal damage from diseases or infection
- D) Fragile X syndrome
- E) Fetal alcohol syndrome

After information is attended to, it moves into \_\_\_\_\_, which has the capacity to hold approximately \_\_\_\_\_ of information for about \_\_\_\_\_

- A) Sensory memory.....7 bits.....1 second
- B) Short-term memory.....7 bits.....5 minutes
- C) Short-term memory.....7 bits.....30 seconds
- D) Long-term memory.....millions of bits.....indefinitely “common sense, our memory is infinite”

### SKIPPED

Which statement about colour vision is FALSE?

- A) Three cone types help us to see colour (red, green, & blue)
- B) Infants have poor colour vision...does not fully develop until about six months of age
- C) Dogs have colour vision like that of a red-green colour blind person
- D) The Ishihara Test is designed to diagnose colour blindness. (so not true) right from the notes “Ishihara Test is used to identify colour blindness and colour weakness.”

When we sense a stressor, the \_\_\_\_\_ sends a signal to the autonomic nervous system and to the \_\_\_\_\_, thus stimulating several physiological changes associated with the fight-or-flight response. //lets read fight and flight

- A) Amygdala...limbic system,
- B) Neurotransmitters...synapse

C) Hypothalamus...pituitary gland. RIGHT

**“When we sense a stressor, the hypothalamus sends signals to the autonomic nervous system and to the pituitary gland thus stimulating several physiological changes associated with the fight-or-flight response”**

D) Pituitary gland...motor cortex

E) Hippocampus...amygdale

Rick is one of those people who always see "the glass as half empty." His thoughts are dominated by negative themes and pessimism. What method could be used to improve Rick's negative thoughts about himself and the world around him?

A) Biofeedback

B) **Cognitive restructuring**

**“optimistic attitude is better than pessimistic. Cognitive restructuring involves modifying negative thoughts, ideas, and beliefs”**

C) Behaviour modification

D) Psychoanalysis

Information deteriorates most quickly from...

A) Explicit memory.

B) Short-term memory.

C) **Sensory memory. Sensory Memory...storing an exact copy of incoming information for a few seconds;**

D) Episodic declarative memory.

**“Only H.M.’s declarative memory was affected...ability to store facts, personal experiences, names, faces”**

**“Types of Long-Term Memory**

**- Procedural memory (skills) and declarative memory (facts).”**

The \_\_\_\_\_ is the small area at the center of the retina that contains only cones and provides the most acute vision.a

A) **Fovea “in fact the fovea contains only cones (about 50,000 of them)”**

B) Optic nerve

C) Lens

D) Rods

Mania is a component of bipolar disorder. Which of the following best describes mania?

A) Completely consuming feeling of depression

B) **Extreme feelings of euphoria, energy, optimism and impulse “People with bipolar disorder are vulnerable to emotional extremes at both ends of the mood continuum, going through periods of both depression and mania (excitement and elation).”**

C) Psychotic thoughts that can escalate to violence

D) Warning sign of potential suicide

Studies of crime rates show that the incidence of highly aggressive behavior including murder, rape, and assault tends to increase....

- A) During the Christmas season
- B) As temperature increases from warm to hot //said in class
- C) During days when there is a full moon
- D) During football season but not during baseball season

Which statement about cognitive behaviour therapy is FALSE?

- A) Self-efficacy is an important feature (e.g., "I'm going to master my problem.")
- B) Tries to replace irrational or negative thinking
- C) Is about as effective as drug therapy for treating certain disorders
- D) Focus is on unconscious thoughts that patient may be repressing. .

**"Therapies focus on active learning in the here and now and do not search for unconscious conflicts."**

**"Self-efficacy is the concept that one can master a situation and produce positive outcomes"**

**"Can be just as effective as drug therapy in treatment of depression".**

During stress, cortisol is a steroid that is good for the body over the short term because it causes cellular fuel to move to muscles; however, high levels over the long term.....

- A) Decreases your appetite
- B) Decreases blood pressure
- C) Suppresses the immune system

- Together these changes produce a heightened state of alertness and readiness for action...we may confront the stressor or run from it (fight or flight hormone cortisol (glucocorticoid...the most harmful effects of stress are produced by the prolonged secretion of glucocorticoids))...regardless of the stressor the biological response is the same

- Short-term stress actually "revs up" the immune system, an adaptive response preparing for injury or infection, but long-term or chronic stress causes too much wear and tear, and the system breaks down. The most chronic stressors – which are more beyond control and seem endless -- were associated with the most global suppression of immunity.

- D) Decreases peripheral circulation

Although memory is distributed throughout the brain, certain brain structures are more heavily involved in certain types of memory. The amygdala is most involved in which of the following?

- A) Emotional memories.

**"the amygdala (part of the limbic system) is involved in emotional memories"**

- B) Implicit memory.
- C) Explicit memory.
- D) Episodic memory.

Which of these is the first language milestone?

- A) Babbling [vote for this]
- B) Two-word sentences
- C) Telegraphic speech
- D) First word

## E) Burping

Hearing impairment is very common in human populations, but it is a very heterogeneous disorder, with a wide range of causes. Which statement below is FALSE?

- A) Infants may be born with hearing loss caused by a viral infection that was acquired during pregnancy.
- B) Most "deaf genes" are transmitted by, and inherited from, hearing parents.
- C) The vast majority of deaf parents have hearing children.
- D) When hearing impairment is genetic it is always caused by a faulty gene on the 23rd chromosome **"Any statement with word "always" is always false :D"**

What is happening in the process of transduction?

- A) The eyes and ears receive stimulus information from the environment.
- B) Physical energy detected by the receptor cells is converted into electrochemical impulse.

**This is a quiz question**

- C) The brain responds to sensory information by sending messages to various parts of the body.
- D) Sensory impulses are translated by the sensory cortex of the brain.

Which of the following statements about social identity and group relations is FALSE? **"Conflicts among ethnic and cultural groups are common worldwide. We are continually comparing our groups (in-groups) with other groups (out-groups)...when individuals compare their groups with other groups, there is a tendency to emphasize differences between groups"**

**Comparisons often lead to competition and even discrimination against other groups. Tendency to favour one's own group over others is called ethnocentrism. Negative side is that ethnocentrism creates ingroup/outgroup and we/they thinking...focus on group differences...may set selves apart and even above others."**

- A) Comparisons may lead to competition and discrimination
- B) We focus more on differences between groups than similarities
- C) **Although we favour our own group, we would never hurt or harm others who belong to an "out-group"**
- D) We tend to promote positive things about our group and negative things about other groups

An example of synesthesia is when someone always sees a certain color in response to a certain letter of the alphabet or number. Synesthesia is caused by...

- A) Malfunction of cones in the retina
- B) **Connections between brain areas that process different senses**
- C) Absence of the FRMP protein in the eye
- D) Tiny lesions in the sensory cortex
- E) Trauma or damage to the temporal lobe

In Milgram's "learning" experiment, the major finding was that...

- A) The use of punishment was effective in promoting learning
- B) Most students who were being shocked quit the experiment due to the pain
- C) When the student protested that the shocks hurt, most teachers refused to continue with the shocks
- D) Most teachers in the experiment continued giving shocks up to the maximum 450 volts  
**- No participant stopped cooperating before the learner reached the point of pounding on the wall, but 5 quit at that point. 26 of the 40 subjects (65%) administered all 30 levels of shock.**

What do Wernicke's area and Broca's area have in common?

- A) They are both related to language processing //in quiz and told us in lecture
- B) They are both related to circadian rhythms
- C) They are both related to motor movements (e.g., walking)
- D) They are both related to the visual system

Irena remembers, "When I was eighteen, I travelled across Canada with my friends for the entire summer." This memory represents a(n)

- A) Implicit memory.
- B) Procedural memory.
- C) Episodic memory...obvious
- D) Prime memory.

The theory that the spinal column can either allow or block the perception of pain is known as the

- A) Signal detection theory.
- B) Gate control theory.  
**A process called sensory gating blocks some incoming nerve impulses while allowing others to get through. Pain messages from different nerve fibres pass through the same neural gate in the spinal cord. If the gate is closed by one pain message, other messages may not be able to get through**
- C) Subliminal perception theory.
- D) Volley theory.

In class we saw a short video clip involving two identical twin boys. One of the boys was shorter than the other and also had a lower IQ than his taller brother. After both boys were exposed a very stimulating environment for several months, what happened?

- A) Only the IQ of the shorter twin improved and he caught up to his taller brother <-- this was marked
- B) The IQ of the taller twin improved and so the shorter twin fell farther behind
- C) The IQ of both twins improved the same amount due to the enriched stimulation
- D) IQ did not change at all because the critical period of development had been missed

Hundreds of years ago, people with mental disorders were thought to be possessed by the devil

or evil spirits. One of the earliest known attempts to treat these disorders involved:

- A) Putting leeches on the skin to suck out or remove “bad blood”
- B) Having patients walk on fire to cleanse the body and soul of the evil spirits
- C) Drilling holes in the person’s skull to allow the evil spirits to leave “Hundreds of years ago, people with mental disorders were viewed as possessed by the devil or evil spirits... earliest known attempts to treat these disorders involved drilling holes in the person’s skull to permit the evil spirits to leave... other “cures” included beatings, starving, and near drowning”
- D) Immersing people in holy water for several minutes almost to the point of drowning
- E) All of the above

Which of the following does not contribute to work-related stress?

- A) Job that is high in personal control and autonomy
- B) Job responsibilities that interfere with home life
- C) Decrease in job security
- D) Job that provides few advancement opportunities

The causes of mood disorders may include each of the following EXCEPT:

- A) Genetic factors
- B) Impact of severe stress
- C) Imbalance in neurotransmitters (serotonin, norepinephrine, and dopamine)
- D) Deterioration of neurons, especially the myelin sheaths (causes Alzheimer's not mood disorders)

In the debate over chimpanzees' ability to use language, there is ...

- A) Chimps understand symbols, but whether they can use language to express thoughts is unresolved. “some chimpanzees can manipulate language-like symbols with syntax that resembles that of young children.”
- B) Chimpanzees can both understand symbols and use language to express their thoughts.
- C) Chimpanzees cannot understand symbols nor can they use language to express ideas.
- D) Chimpanzees can understand symbols but they cannot use language to express thoughts.

Most amputees have phantom limb pain sometimes months or even years after losing a limb. Because the phantom limb feels so real, a patient with a recently amputated leg may even try to walk on it. The video we saw in class used what type of therapy to help patients deal with phantom limb pain?

- A) Mirror therapy { I REMEMBER THIS FROM LECTURE, GY WITH MIRROR IN FRNT OF HIS LEGS}
- B) Cognitive therapy
- C) Drug therapy
- D) Group therapy
- E) Electroshock therapy

There are two commonly used tests of intelligence (IQ test). Which of the following is NOT one

of them?

- A) The Wechsler Intelligence Test..both the above ones are given in notes. third one is just made up by prof
- B) The Stanford-Binet Intelligence Test
- C) Gardner's Multiple Intelligence Test**

Action potentials of all sensory nerves are exactly the same...so how does the brain distinguish action potentials associated with sight, sound, touch, etc.?

- A) A process called synesthesia helps to distinguish them
- B) Depends on thresholds of the different sensory receptors
- C) Sensory receptors each have different neural pathways to the brain - sensory receptors each have different neural pathways specialized to absorb a certain type of energy (e.g, light or sound) and transduce it into electrochemical energy.**
- D) Through use of an ingenious parallel processing system

Which of the following is FALSE regarding prefrontal lobotomies?

- A) They are still a common surgical procedure today. remember from class**
- B) A surgical instrument was inserted into the brain and rotated, severing neural fibres.
- C) Some subjects improved, but many were left in a vegetative state.
- D) The researcher who developed the procedure was awarded the Nobel Prize.

Aggression can be triggered by a broad range of aversive experiences. Which of the following is NOT linked to aggression?

- A) Testosterone.
- B) Serotonin.
- C) Alcohol.
- D) Stimulation of the lower limbic system
- E) **Melatonin. This is linked with sleep**

**"Neurotransmitters such as serotonin linked to both violent and suicidal behaviour. Alcohol, which suppresses our inhibitions, has been strongly linked to aggression. Testosterone may be related to higher levels of aggression."**

Larry has been treated with neuroleptics for several years. Recently, he has started to display strange, involuntary contortions of the face and mouth. In addition, he cannot control the frequent twitching of his legs, arms, and neck. How can you best explain Larry's condition?

- A) The medication is no longer working, and his schizophrenic symptoms have returned.
- B) He probably drank alcohol, which causes a bizarre interaction with neuroleptics.
- C) He has developed tardive dyskinesia, a common side effect of neuroleptics. [Neuroleptics are most widely used antipsychotic drugs but may also target other neurotransmitter receptor sites. Unfortunately antipsychotic drugs do not discriminate between dopamine secreting neurons involved in symptoms of schizophrenia and dopamine secreting neurons involved in control of movements...]**
- D) The symptoms indicate that he took an overdose of neuroleptics.

E) He has Tourette's syndrome.

Which type of stress will lead to most damage to the immune system?

- A) Acute stressors of brief duration
- B) **Chronic stressors that last for a long time [the immune system, The most chronic stressors – which are more beyond control and seem endless -- were associated with the most global suppression of immunity.]**
- C) Perceiving a stressor as a challenge to be overcome
- D) Stress associated with positive circumstances (such as winning a lottery)

**[ Answer Needed ]**

Older people often complain that their memory is getting worse. For example, they may not remember a phone number (647-8943) that someone just told them a few minutes earlier. Which explanation below is most CORRECT?

- A) Information in short-term memory is easily disrupted for everyone (young and old) [vote for this]
- B) There is an absence of neurogenesis in older people leading to memory loss
- C) Semantic networks of information arranged in hierarchies begin to degenerate as we get older [ this seem correct to me]
- D) The brain and memory of older people deteriorates due to disorders such as Alzheimer's disease [ this also ]

~~Which ONE of the following statements about early development of language is FALSE?~~

- ~~A) Infants use gestures to communicate before they use words~~
- ~~B) Language is in our genes and so does not depend on experience or environmental stimulation [vote for this]~~
- ~~C) Responsibility for most verbal functioning is mainly to left hemisphere~~
- ~~D) Prelinguistic vocalizations such as cooing and babbling do not represent objects or events~~

In brain more space is allocated for \_\_\_\_\_ than all other senses put together.

- A) Touch
- B) Taste
- C) **Vision [occipital lobes]**
- D) Smell
- E) Hearing

Which statement about stress is FALSE?

- A) Chronic emotional stress is associated with high blood pressure
- B) **Most stomach ulcers and gastritis are caused by stress [Its not mentioned in lecture]**

**notes]**

- C) Persons with hostility have higher elevations of stress hormones
- D) The fight-or-flight response is a physiological reaction to stress or threat
- E) Stress is a major contributor to cardiovascular disease **Hostility experiment: the high anger subjects experienced almost three times as many coronary events as the low-anger subjects.**

By the light of a half-moon, you saw a car with its lights off careen along the street, strike what appeared to be a person, and continue out of sight. You cannot tell the police the colour of the car because...

- A) Cones cannot see colour.
- B) Rods do not work in dim light.
- C) The moon interferes with sensory adaptation.
- D) Cones require a lot of light and are best in daytime. [Its right, we remember this from lectures]agree**
- E) Colour blindness or weakness.

Are you smarter than a monkey? In one video, a monkey was shown several digits on a screen in random locations. The monkey was able to touch the digits in order very quickly and making very few mistakes. The monkey did much better than human subjects because...

- A) Most monkeys have higher intelligence than we believed in the past
- B) Most monkeys have quicker reaction time and better eye hand coordination
- C) Most monkeys have better short term memory than people
- D) These monkeys had much more practice than humans and so were better at the task** nishant was sleeping **[did this in last lecture]**
- E) The monkeys were genetically engineered to be smart

Alicia is working with her therapist to retrieve her 'lost' memories. Her therapist suggested to her that she was sexually abused as a child. Alicia strongly disagreed at the beginning and had no memory of being abused. But gradually over time she begins to 'remember' details of the abuse. What has probably occurred?

- A) The therapist may have plant 'false memories' [ in quiz, worded differently]**
- B) The therapist had hypnotized her to recover the memories
- C) We can be sure that Alicia really was sexually abused as a child
- D) This is an example of flashbulb memories

Tom Harrell, named jazz trumpeter of the year three times by Downbeat Magazine, is known for the intricate melodies he composes. When Harrell was in his 20s, voices in his head ordered him to walk through a window after he had some orange juice. Was diagnosed with what disorder?

- A) Obsessive-compulsive disorder
- B) Multiple personality

**C) Schizophrenia [proff told us]**

D) Dissociative disorder

Rounded bumps on the tongue that contain taste buds are known as...

A) Prostaglandins.

B) Cones.

C) Epithelium.

**D) Papillae. [ no other options seem correct, and its in lecture notes]**

Which statement below about panic disorder is FALSE:

**A) It involves periods of mania followed by depression [ this symptom is of bipolar disorders] [also in quiz]**

B) It may lead to agoraphobia (fear of crowded public places)

C) It strikes at any time and without warning

D) It involves a feeling of helpless terror

Deinstitutionalization refers to...

**During the 1950's and 60's in Canada and the United States, huge numbers of previously institutionalized mental patients were deinstitutionalized. In 1963**

A) Preparing a patient for long-term stay at an institution

**B) Transferring patients from mental institutions to community**

C) Taking homeless people off the street and putting them in institutional facilities

D) Removing labels and stigma from people who are in mental institutions

Some people show little risk of becoming ill after exposure to chronic stress because...

**A) They may interpret stressors as challenges Hardiness...associated with personality traits that include a sense of commitment, control, and a perception of problems as challenges**

B) They focus their attention to external cues

C) Stress is in the eye of the beholder **"these lines are from lecture notes exact"**

D) May be due to malfunction of the adrenal gland

**E) Both A and C are true**

---

**THESE ANSWERS HAVE BEEN VERIFIED AND ARE 100% CORRECT**

Which of the following is a true statement about mental retardation?

A) Most retarded people are unable to live normal lives because of their mental deficiencies.

B) Many of these individuals shed the label of retardation when they leave the school system and become adults.

C) With special tutoring, a mentally retarded person can attain average intelligence.

D) Mental retardation is defined only by IQ (usually below 70) Mental retardation is a condition of limited ability indicated by low IQ (usually below 70), difficulty adapting to the environment, and onset that begins during the developmental period (by age 18).

Which of the following is true about the progression of language development in infants and children?

- A) Language acquisition is mainly due to simple reinforcement and imitation.
- B) Language and thought are separate and independent processes.
- C) Babbling is unique to North American babies.
- D) Children all over the world develop language skills at the same time and in the same order. (not all children develop their language skills at the same time – not every child utters their first word at exactly the same age or talks in full sentences at exactly the same age)

Deinstitutionalization has led to the treatment of many psychological disorders in the community rather than having people hospitalized. Which of the following is a problem encountered during implementation of this process?(r u sure)

- A) People are separated from their families and friends
- B) Has led to more homeless people on the streets
- C) Patients may move in and out of hospital (revolving door problem)
- D) Too often frontal lobotomies are used to ensure that patients in the community are calm and stable
- E) B & C are both correct(not B) (its definitely B and C... Pg. 550 in text, his last lecture, and my lecture notes all agree.)

People in a mob may become disinhibited because they see themselves as anonymous and so have decreased responsibility. Likewise, if you could be invisible for a day, you might do some things that you would not normally do. This psychological process is known as...

A) Deindividuation

Deindividuation occurs when the presence of a group results in the loss of personal identity and a decrease in personal responsibility...thus behave much differently than they would on their own...e.g., riots after sporting events or rock concerts. In a group, we may become disinhibited because we see ourselves as anonymous

- B) Groupthink
- C) Dissociative disorder
- D) Risky shift

There are several ways to help people who suffer from some form of deafness. What is the major difference between the type of help provided by hearing aids and cochlear implants?

A) Only cochlear implants are able to help people with damage to the hair cells [I just asked the prof... the answer is A]

- B) Only hearing aids are able to help people with damage to the auditory nerve
- C) Unlike hearing aids, cochlear implants are widely accepted by members of the Deaf Community
- D) Hearing aids are much less expensive than cochlear implants

Some of our fears (such as Post-Traumatic Stress Disorder) may seem so irrational because

- A) We experience a feeling of learned helplessness
- B) Some people have a low threshold for fear or arousal
- C) The sympathetic nervous system increases the level of physiological arousal
- D) The amygdala's influence overpowers the reasoning portion of the brain [I asked the prof and the answer is D]
- E) The left and right hemispheres of the brain are not communicating properly

Lobotomy was a popular fad between 1935 and 1955. Which statement is FALSE?

- A) There was no clear evidence it worked [it shd have worked thats why it got famous]
- B) Freeman used an ice pick for the surgery [he used ice prick in some surgery, we were shown that disgusting video]
- C) Patients often became docile after the procedure [somebody actually become docile]
- D) Was the first effective cure for schizophrenia [it wasn't so this shd be right]

A major drawback to studying intelligence is...

- A) That emotional intelligence is actually more important
- B) There is no standardization, validity, or reliability in any intelligence test
- C) People can lie, as the tests involve questions with no right or wrong answer
- D) Intelligence cannot be measured directly but only through studying the intelligent acts people perform. (Sentence is right from the notes) -[CORRECT THIS IS FROM THE NOTES: - Physical characteristics like height and weight can be measured directly... intelligence cannot be measured directly...it can be evaluated only by studying the intelligent acts people perform.]

Some schizophrenics may suffer from delusions and hallucinations. One of the most common is the belief that...

- A) They have super-powers such as the ability to fly
- B) They are possessed by devils or demons [In lecture notes somewhere, its right]
- C) They have been abducted or are being pursued by aliens
- D) Their thoughts are being monitored or controlled by the government or the CIA. i think its D. classical case of paranoid schizophrenic.(crazy idea)

Head Start is a program used in the US to help the achievement level of disadvantaged children. What was the result of this program?

- A) There was no improvement (short or long-term)
- B) Females benefitted more than males from the program
- C) Improvement in achievement disappeared after children entered the regular school system "Head Start has been studied intensively for years and general conclusion is that it has little lasting impact on IQ...any improvements in IQ disappear within two or three years after starting school and gains are smallest for the most disadvantaged children...few "success" stories."
- D) Improvement was long lasting and the children continued to achieve at higher levels into high

school

David J. Ross, a British Columbia man, claimed the RCMP used "subliminal messaging" technology to get inside his head something called a Neurophone to transmit "ultrasonic" waves into the brain. The judge said while the claims are "unusual and unconventional," the defendants didn't successfully argue their petition to have it dismissed. Which statement below is most likely correct?

- A) It is likely that we are all under surveillance from the government
- B) It is likely that David J. Ross was suffering from schizophrenia [ shizophrenic people talks like this, our proff. said that in class]**
- C) It is likely that the judge was suffering from obsessive-compulsive disorder
- D) It is likely that the RCMP were using subliminal messaging and the Neurophone
- E) It is likely this was just a prank and not a serious charge

Which statement is FALSE (if any) about the sense of touch?

- A) Girls even as infants are more sensitive to touch than boys
- B) The skin is the largest sensory organ of the body
- C) Touch receptors in the back and neck are more sensitive and also higher in density (wrong...fingers are the most sensitive)- [which makes sense for this to be the answer... since their asking for whats false :)]**
- D) The hand shown in the diagram to right feels sensation of "hotness"
- E) No statement is FALSE

Standardized intelligence tests have been criticized by many people as being inadequate measures of intelligence. What alternative has been suggested that is a better measure of intelligence than IQ tests?

- A) Evoked neurological potential ?? never mentioned in notes
- B) Positronic emission technology (PET)
- C) Reaction time
- D) Energy consumption by brain
- E) There is no better measure yet [I asked the prof!!]**

In the romantic comedy 50 First Dates (2004), Adam Sandler plays veterinarian Henry Roth, who falls for Lucy Whitmore (played by Drew Barrymore) after meeting her in a cafe one morning. The two hit it off, and arrange to meet again. The following day, Roth returns to the café to meet her, but she claims to have no recollection of him. As he leaves, the owner of the café takes him to one side, and explains that Whitmore "lost her short-term memory" after a "terrible car accident". We also learn that she can form new memories during the day, which are then wiped clean during her sleep, so that she wakes up to a "clean slate" every morning. Which information from this movie is most INACCURATE?

- A) Lucy has lost her short-term memory....DAM SURE [I remember prof saying this] its inaccurate coz she lost her long-term memory not short-term**
- B) Lucy cannot form-new long-term memories
- C) Memories that Lucy forms each day are wiped out during her sleep[vote for it]
- D) A & C are both inaccurate

What did the “multi-stick” problem reveal about the chimpanzee?

A) Animals are able to plan, use tools, and solve simple problems

**right from the lecture notes “increasing length are arranged between the cage and the desired goal or object...animals are capable of planning, tool use, and simple problem solving”**

B) Chimps are very intuitive

C) They are aware of algorithms

D) They could not understand the simplest of tasks

E) The chimp was already trained to do the task

A century ago, leading causes of death were infectious diseases such as influenza, tuberculosis, polio, typhoid fever, etc. Today 7 to 10 leading causes of death are related to...

A) Psychology experiments

B) Mental disorders

C) Type A personalities

**D) Personal habits and lifestyles (right from the notes !! (This was taken straight from the notes: - A century ago leading causes of death were infectious diseases such as influenza, tuberculosis, polio, typhoid fever, etc...today 7 of 10 leading causes of death are related to personal habits and lifestyles)**

E) None of the above

Below are several statements about intelligence. All statements are true EXCEPT...

A) “Forget me Not Panties” was the winner of a creativity contest **[because this makes no sense <http://www.pantyraiders.org/forgetmenotpanties/> LOL]**

B) Mildly retarded individuals are not always easily distinguished from the rest of the population. **thats true**

C) Gifted people are more likely to have emotional problems than those of average intelligence (**it clearly says in the notes that gifted people have more emotional problems**)

D) 90% of retarded individuals are in the mild category (IQ between 55 and 70) **that true**

Which statement about stereotypes is most correct?

A) Stereotypes save effort and energy by simplifying our social world **[is this one correct? votes needed]**

B) Our stereotypes are easily changed by new information that differs from our initial perceptions.

C) Stereotypes improve the accuracy of our perceptions

D) Stereotypes involve the creation of new schemas that reflect people’s diversity

E) All statement above are correct

What is NOT CORRECT in regards to the personal space bubble?

A) When people move inside this bubble you become uncomfortable.

B) In North America the average depth of the bubble is 2-3 feet.

C) When intruded upon the body reacts by raising blood pressure and anxiety.

D) Bubble may extend to driving and may explain some aspects of road rage

E) NONE is INCORRECT...all of the above are CORRECT

Schizophrenia follows the “rules of fourths” when it comes to those being treated. Which of the following statements is not correct about the “rules of fourths”?

**A) One-fourth will be cured of schizophrenia permanently**

“rule of fourths”...one-fourth get well and stay well, one-fourth go on medication, do relatively well, and are able to live independently, one-fourth are well enough to live in a group home; and the final one-fourth stay do poorly and are usually institutionalized.

- B) One-fourth are well enough to live independently without medication
- C) One-fourth are well enough to live in a group home situation
- D) One-fourth do poorly and are institutionalized

At what age do infants begin specializing in speech sounds of their native language?

- A) 1-2 months
- B) 6-8 months
- C) 12-15 months
- D) 18-24 months

The immune system keeps us healthy by recognizing and destroying bacteria, viruses and tumours. Which statement about stress and the immune system is FALSE?

- A) Short-term stress actually “revs up” the immune system and is an adaptive response
- B) **The biological pathways that respond to stress include the liver, pancreas, and hippocampus**  
**[I trust this answer]**
- C) Chronic stressors beyond control are associated with harming the immune system
- D) Positive emotions and being happy lead to better immune functioning. **Happy people are more likely to engage in health-promoting behaviours and more likely to believe that they would be effective...positive emotions facilitate ability to cope with problems.**

Which of the following statements is FALSE about OCD (Obsessive-Compulsive Disorder)?

- A) A patient with OCD may feel compelled to wash their hands 100 times in a day.
- B) Some OCD's stem from the fear of being contaminated by germs.
- C) The film “The Aviator” illustrates a case of OCD where the patient chose to live in a small, dark, room.
- D) OCD sufferers may create ritual-like actions to protect themselves from an irrational fear.
- E) **The OCD patient is rarely even aware that s/he is displaying abnormal behaviour. [agree] { makes most sense }**

Michael May regained his sight at the age of forty after being blind for almost his whole life. Which statement is TRUE?

- A) After regaining his sight, the first thing he learned that same day was to recognize his wife face
- B) **May was able to detect motion and color, but had a difficult time identifying objects..Based on what i remember from lecture**
- C) He was a skilled skier and went even faster after he regained his vision
- D) He made a remarkable adjustment to being sighted within just two weeks after the operation
- E) All statements above are TRUE

Kanzi was tested with 300 odd or unusual demands (ex: "Put salt on the ball"), and responded correctly 298 of the times. Why were "unusual" instructions used in this case?

- A) This is what Kanzi had practiced before the test
- B) This would break a world record
- C) This would be more convincing that Kanzi can truly understand language

.....Kanzi was tested with 300 sentences she had never heard before and responded correctly 298 times (could not have been guided by non-verbal cues...Go the refrigerator and take out tomato...Put the grapes in the swimming poo..... to test knowledge of her language understanding..

- D) This would show how good Kanzi's memory is
- E) This would show Kanzi's grasp of morphemes and phonemes

Pigeons have been trained to distinguish impressionist works by Monet and cubist creations by Picasso achieving a success rate of 90 per cent. This shows that...

- A) Pigeons are able to think and reason much like people
- B) Pigeons have a highly developed cerebral cortex
- C) Disproves the Whorf hypothesis that thought is dependent on language
- D) Pigeons can learn complex behaviours if they are rewarded { WAS IN QUIZ } agree

American military personnel at Abu Ghraib prison in Iraq engaged in sadistic abuse of their Iraqi prisoners. Zimbardo who 30 years earlier had designed the Stanford Prison Experiment claimed that this behavior....

- A) Was due to a few bad apples
- B) Was exaggerated and hyped due to media attention
- C) Was the result of Post-traumatic Stress Disorder
- D) Was due to situational pressures that led average people to commit abusive acts
- E) Was due to a lack of adequate training and supervision

Which type of stress will lead to most damage to the immune system?

- A) Acute stressors of brief duration
- B) Chronic stressors that last for a long time [the immune system, The most chronic stressors – which are more beyond control and seem endless -- were associated with the most global suppression of immunity.
- C) Perceiving a stressor as a challenge to be overcome
- D) Stress associated with positive circumstances (such as winning a lottery)

Which statement about Fragile X is FALSE?

- Fragile X syndrome results from an X chromosome gene mutation (the chromosome may be brittle or broken into two or more pieces. Prevents the production of a particular protein (the Fragile X mental retardation protein, or FMRP). This condition is second only to Down syndrome as a genetic cause of mental retardation and recent research also suggests that it may contribute to infantile autism. About 75% of Fragile X males show some degree of mental retardation whereas a majority of females with Fragile X chromosome are either intellectually normal or display only mild cognitive impairment. Investigators have located the gene

responsible for this abnormality.

- Without FMRP, neurons develop abnormally long and spindly dendritic spines, the little branchlike projections that receive inputs from synapses by other neurons. Thin spines are associated with weak connections — and communication — between neurons.

- Studies involving mice bred with the disorder have produced encouraging results. Human research studies may begin soon

A) Results from an X chromosome gene mutation

B) Prevents the production of the Fragile X mental retardation protein

C) Is a major genetic cause of mental retardation [ it cud be the answer as well ]

D) May be caused by damage to the suprachiasmatic nucleus [ 100% sure, I searched google and got this answer ] Good Job

With respect to obsessive-compulsive disorder, each of the following is a compulsion except...

A) Repeatedly washing one's hands.

B) Checking and rechecking the locks on doors.

C) Touching a spot on one's shoulder over and over.

D) Uncontrollable nightmares...

Intelligence is polygenic and so is influenced by many different genes. Modern techniques for scanning the genome can compare billions of DNA base pairs from many subjects very quickly. This will enable the DNA of very intelligent people to be compared with DNA taken from people of lower intelligence. What are we most likely to learn from such analyses?

A) How to eliminate mental retardation

B) Which genes contribute most to intelligence [ in lecture notes somewhere ] ya

C) Genetic engineering to breed for intelligence

D) The causes of trisomy 21

For years, scientists harvested the brains of exceptionally smart people, trying to locate the source of their intelligence. What did we learn about intelligence from these studies?

A) Smart people have more neurons

B) Smart people have more myelination

C) Smart people have a highly developed corpus callosum

D) All of the above differences were observed

E) None of the above differences were observed

Chomsky proposed that children learn language swiftly:

A) Because they possess an innate language acquisition device.

B) Through imitation, reinforcement, and shaping.

C) As the quality of their thought improves with age.

D) Because they need to in order to get their increasingly complex

E) Because prenatal experiences give the child a headstart.

The memory that allows a person to know that the chemical symbol for salt is NaCl, that dogs have four legs, that  $3 \times 3$  equals 9, and refers to our general knowledge is known as...

- A) Episodic memory
- B) Semantic memory...

**Semantic Memory...refers to our general knowledge of the world and all of the facts we know. Semantic memory allows a person to know that the chemical symbol for salt is NaCl, that dogs have four legs, that  $3 \times 3$  equals 9, and thousands of other facts. Semantic memories are not tied to the particular time and place...in**

- C) Explicit memory
- D) Working memory

In an attempt to classify and assist with the diagnosis of psychological disorders, the American Psychiatric Association developed...

- A) The Mental Measurement Yearbook.
- B) The Multiaxial Diagnostic System
- C) The Diagnostic and Statistical Manual of Mental Disorders...**Not sure. Just know this is right. I dont have any reference..i agree to this answer**
- D) Roget's Psychological Thesaurus

One way to manage stress is through meditation. All of the statements below about meditation are true EXCEPT:

**Meditation effectively decreases arousal and anxiety...reduces heart rate, lowers oxygen consumption**

**Meditation shows qualities of both sleep and wakefulness...resembles the stage of sleep known as hypnagogia**

- A) Resembles the stage of sleep known as hypnagogia.
- B) Increases glucose consumption. **{ in lecture notes }**
- C) Reduces heart rate.
- D) Decreases arousal and anxiety.

Dr. Oliver Sacks, a neurologist, wrote a book including a story of a man who mistook his wife for a hat. This man was suffering from:

- A) Split brain
- B) Visual agnosia **{ thats true, search google }**

**"Some people are unable to recognize faces...form of visual agnosia called prosopagnosia (face blindness)."**

- C) Blindness
- D) Amnesia
- E) Presbyopia

Bilingual education continues to foster a great deal of controversy. Which of the following is FALSE?

- A) When children learn two languages, it slows down cognitive development.
- B) Language learning is more effective when it begins at younger age.
- C) Bilingual Canadian children perform better than unilingual children on verbal/nonverbal tests of intelligence
- D) Ability to pronounce a second language with the correct accent decreases after age 12

Forgetting is probably due to several possible factors. Which answer below is LEAST LIKELY to explain why we may have trouble remembering certain things?

- A) We forget because other information gets in the way of what we want to recall (retrieval failure)
- B) We forget because the neurochemical "memory trace" that is formed tends to disintegrate over time
- C) We forget because of Freud's veil of amnesia (repression of unpleasant information by the superego) { common not everyone has amnesia }
- D) We forget because certain information has actually failed to enter our long-term memory (encoding failure)

When they eye views an object physical energy detected by the receptor cells is converted into electrochemical impulse. Which of the following processes is this an example of?

- A) Transduction { when ever something is changed into energy, process is called tranduction } Agree repeted above . just asked differently
- B) Bottom up processing
- C) Tympanic processing
- D) Parallel processing
- E) Opponents process theory

When in groups a number of NEGATIVE results may occur. Which of the following is NOT a negative result of group behaviour?

- A) Groupthink **Groupthink...involves impaired decision making and avoidance of realistic appraisal to maintain group harmony**
- B) The halo effect **[ all others are negative, so this shd be the answer..common sense]**
- C) Deindividuation **Deindividuation occurs when the presence of a group results in the loss of personal identity and a decrease in personal responsibility**
- D) Social loafing **Social loafing is the tendency to exert less effort in a group because of reduced accountability for individual effort**

What essential element promotes success of the therapeutic relationship?

- A) Therapist must have many years of experience
- B) Patient must have confidence and trust in the therapist **[lecture notes]**
- C) Therapist must have credentials from a respected school
- D) Triangulation is key to therapeutic relationship

Former world chess champion Kasparov was beaten by Deep Blue, IBM's chess-playing computer. Which of the following statements is MOST CORRECT?-

- A) That Deep Blue is more intelligent than most "smart" people
- B) That Deep Blue was programmed to act and think like a human
- C) That Deep Blue was very good at imitating human reasoning
- D) That Deep Blue can analyze millions of chess positions every second [right from notes]
- E) All of the above statements are TRUE

The ideal way to develop medications for mental illnesses is to first understand the process in which a disorder develops, and then create a drug which will change that process. The problem with this process is

- A) Many drugs are placed on the market before they are guaranteed to be completely safe.
- B) We do not fully understand the biochemical processes that account for most psychological disorders. 'In reality, we don't understand the chemical processes that account for most psychological disorders']Right from the notes
- C) The testing of the drug is often clouded by the drug companies themselves.
- D) The testing of the drug is often carried out on not a large enough cross section of people.

This disorder results from stroke or damage to a language centre in the brain. The symptoms of this disorder include difficulty in ability to speak, write, read, and comprehend the spoken language...what disorder is this?

- A) Stuttering
- B) Aphasia
- C) Williams Syndrome
- D) Retardation
- E) Flynn Effect

In the movie Memento, Leonard Shelby is a man who seeks revenge for the rape and murder of his wife. One complication with this plan—Leonard suffered a head injury from a scuffle with his wife's killers and has lost the ability to make new memories. As Leonard explains in the movie, "If I talk to you for too long, I probably won't remember who you are or even why I started talking to you in the first place." To compensate, Leonard is constantly taking Polaroid pictures of people he meets and places he goes and writing messages on the pictures. Important facts, such as information about the crime, he has tattooed all over his body. Three of the statements below describe elements of the movie that are unrealistic. Which is the only aspect of the movie described below that is realistic or reasonable?

- A) Leonard is totally aware of what his disorder is, how he got it and what its symptoms are
- B) Leonard maintains his intelligence, his ability to reason, and basic skills such ability to drive car
- C) Leonard is quite functional and independent as he pursues his wife's killer
- D) Leonard can remember where he parks his car, finds Natalie's address and drives to her house

Craniometry was the measurement of skull volume and its relation to intellectual faculties. The conclusion of this line of research more than 100 years ago was that....

- A) Skull or brain size has no connection to intelligence
- B) Criminals had especially small brains and limited intelligence
- C) Personality traits can be identified by bumps on the skull
- D) Men were more intelligent because they had larger brains - Broca's Craniometry...the measurement of skull volume and its relation to intellectual faculties, Men were more intelligent because they had larger brains**
- E) Monkeys and people had the same skull size and so were equally intelligent

There are four different types of schizophrenia. While schizophrenics are not dangerous as a class, which type has the most potential for violence?

- A) Disorganized schizophrenia
- B) Catatonic schizophrenia
- C) Paranoid schizophrenia { prof. has told many stories, like murder in bus and etc., all were paranoid }**
- "While schizophrenics are not dangerous as a class of mental patients, paranoid schizophrenics often retain enough of a planning function to plan and carry out crimes, usually spectacular ones."**
- D) Undifferentiated schizophrenia
- E) All have equal potential for violence

People in a mob may lose their inhibitions because they see themselves as anonymous and so have decreased responsibility. This psychological process is known as...

- A) Deindividuation { in notes 100% correct }**
- B) Groupthink
- C) Dissociative disorder
- D) Risky shift

In the movie "The Bourne identity", Jason Bourne has a case of dissociative amnesia. What has he forgotten?

- A) Has forgotten everything and must re-learn as a baby would
- B) He has forgotten details of his personal life but retains life skills like knowledge of several languages {seen the movie so thats enough }**
- C) He has lost his short-term memory but retains long-term memory
- D) He has lost the ability to transfer memories from short-term to long-term
- E) He cannot remember details of the traumatic episode but can remember everything else

If you were talking to a friend and describing your first kiss, which happened years ago, you

would be relying on which type of memory for this information?

- A) Sensory memory
- B) Episodic memory (verify it)agree. based on my semantic memory
- C) Procedural memory
- D) Semantic memory
- E) Pseudo-memories

Some schizophrenics are prone to hallucinations. Which statement is FALSE?

- A) The most common hallucinations are auditory (voices)...this is true
- B) Hallucinations seem perfectly real to the patient...true too
- C) Are usually negative experiences ( threatening or frightening)...THIS IS ALSO TRUE
- D) Occur when the schizophrenic is in a hypnotic state called hypnagogia. " that in meditation not schizo " ...SO THIS MUST BE FALSE

"We walked down the path to the well-house, attracted by the fragrance of the honeysuckle with which it was covered. Someone was drawing water and my teacher placed my hand under the spout. As the cool stream gushed over one hand she spelled into the other the word water, first slowly, then rapidly. I stood still, my whole attention fixed upon the motions of her fingers. Suddenly I felt a misty consciousness as of something forgotten--a thrill of returning thought; and somehow the mystery of language was revealed to me. I knew then that "w-a-t-e-r" meant the wonderful cool something that was flowing over my hand."

The above statement is a description of the discovery of language by...

- A) The poet Emily Dickenson
- B) Helen Keller (deafblind author, activist, and lecturer)
- C) Noted autistic Temple Grandin
- D) Genie (who had been locked in a room until 13 years of age)

Feature detectors are specialized neurons in the cortex that...

- A) Identify whether an object small or large, near or far.
- B) Take the upside image from the retina and reverse the features so we see the world correctly.
- C) Discriminate one face from another.
- D) Recognize particular lines, shapes or patterns.

Which of the following statements about aggression is NOT correct?

- A) Children who watch more violence on TV are more aggressive and also do more poorly in school

- B) Males are more aggressive in every culture and also in animal and human species
- C) Children who get spanked tend to become less aggressive { opposite is true ,from lecture notes} YA
- D) Aggression is largely due to both biological and cultural differences

The two basic photoreceptors contained in the retina are called

- A) Rods and cones. { because we know this }
- B) Horizontal and vertical shifters.
- C) Chromes and radicals.
- D) Fissures and convolutions.
- E) Afferent and efferent neuron

What is the best predictor of whether or not a person will get schizophrenia?

- A) Having a close relative who has schizophrenia. SAID IN CLASS
- B) If the newborn has a very low birth weight
- C) Children raised in a punitive family environment
- D) A defect on chromosome 12 leads to schizophrenia 50% of the time
- E) A combination of several high risk factors during prenatal development (e.g., poor nutrition)

Fight or Flight: This response stimulates the sympathetic nervous system to prepare the body to meet a stress situation. Which of the following is FALSE:

- A) If the body is digesting food, that is stopped immediately
- B) Hormones including adrenaline prepare the body for action
- C) Your breathing becomes faster to increase oxygen
- D) Heart rate slows down in order to conserve energy ( In lecture notes: heart rate always goes up in fight or flight situation)
- E) Glucose is released into the bloodstream as fuel

What is the main focus of Beck's cognitive therapy?

- A) Aims to release the patient's anger and is often quite confrontational
- B) Errors in thinking are replaced by more logical thought processes  
Psychological problems arise when people think illogically about themselves (I am worthless), the world they live in, and the future (Things are never going to get better). The goal is to help the individual recognize and eliminate self-defeating thoughts and beliefs.
- C) Combination of changing thoughts and behaviours
- D) Uses systematic desensitization to promote positive thinking

\*\*Animal language is NOT considered productive or generative because...

- A) The average person cannot understand its meaning
- B) There are no written words to describe thoughts
- C) The communication is quite limited and the sounds cannot be put together in complicated ways [ some examples are given in lecture notes, so 100% correct ]
- D) Animals don't have the needed vocal apparatus to make understandable sounds
- E) They are only able to use sign language

While studying for a test, you process the information in terms of its meaning, and you associate the new information with information that you have learned in other classes. This is an example of ...

- A) Parallel processing
- B) Elaborative rehearsal... **BASED ON MY SEMANTIC MEMORY**
- C) Shallow processing
- D) Maintenance rehearsal

In Asch's conformity experiment, participants were asked to pick which line was the longest. When others in the group INCORRECTLY chose the shorter line as correct, people tended to...

- A) Go along with the rest of the group even though the answer was clearly wrong [ agrees, its called "conformity" ]
- B) Choose the correct answer even though no one else did
- C) Choose the correct line if at least one other person had already chosen the correct answer
- D) Tried to persuade all the other "participants" that they were mistaken
- E) Both A and C are correct

When looking at a diagram of three groups of broken circles (as shown), most people will see a triangle even though there is no triangle drawn in to see. What did Gestalt psychologists conclude about this phenomenon?

- A) Our brain has a powerful tendency to form meaningful patterns [ was in quiz, its called gestalt psychology ] agree 100% true
- B) That our eyes will often fool us
- C) That our brain cannot be easily fooled by illusions
- D) That our unconscious mind is stronger than the conscious mind

Which of the following statements about PTSD is FALSE?

- A) Ordinary events can serve as reminders of trauma and trigger flashbacks
- B) PTSD symptoms always begin almost immediately after the trauma (within days) [ i think i read or heard this before, 100% he gave one example of a soldier in class ]

- C) Not everyone exposed to the same traumatic events develops PTSD
- D) Sexual abuse and assault victims are considered by some to be the single largest group of sufferers

A patient in a psychiatric hospital who is receiving medication to control the hallucinations and delusions associated with paranoid schizophrenia is taking an ...

- A) Antianxiety drug
- B) Antidepressant drug
- C) Antipsychotic drug... [ very obvious, agree ]
- D) Anticonvulsive drug

Which statement about the effectiveness of antidepressants is TRUE?

- A) Improvement usually occurs within one or two days
- B) Some people may respond to one class of antidepressant but not another
- C) Antidepressant drugs have been effective in treating about 90% of patients
- D) For each patient diagnosed with severe depression, we know which medication will be most effective

Mindball is a device that monitors the brain waves of you and a competitor on the other side of the table. The more relaxed you are the more you can control the ball and defeat your opponent.

- A) Mindball is a form of brainwashing
  - B) Mindball is a form of transcendental meditation
  - C) Mindball is a form of cognitive therapy
  - D) Mindball is a form of biofeedback training
- "Mindball as example of biofeedback" ...right from notes..ok agree

In 1966 Charles Whitman killed 15 people at the University of Texas. The autopsy revealed that he had a tumor in the brain. What was the neurobiological factor involved?

- A) The tumor triggered our self-destructive instinct
- B) The tumor triggered an uptake of serotonin resulting in vicious behavior
- C) The tumor cut off the uptake of dopamine to the brain
- D) The tumor stimulated the lower limbic system which can result in vicious behavior [ search wikipedia, i saw this in lecture notes aswell ]

The following statements describe Francis Galton's work related to intelligence. Which

statement is FALSE?

- A) He was the first to focus on the nature vs nurture dichotomy
- B) He discovered a way to measure intelligence directly
- C) He was influenced by Darwin's theory of evolution
- D) He studied twins to look at heritability of intelligence

**“Francis Galton (1822–1911), who developed the phrase “nature versus nurture”**

Which of the following receptors has the highest threshold for responding (in other words, is less sensitive)?

- A) Temperature
- B) Pain
- C) Touch
- D) They're all equal

**“receptors...pain has higher threshold for responding than receptors for touch and temperature.”**

What process tends to maintain harmony and unanimity during group decision making while suffocating differences of opinions?

- A) Deindividuation
- B) Stereotypic thinking
- C) Social facilitation
- D) Groupthink **Groupthink...involves impaired decision making and avoidance of realistic appraisal to maintain group harmony...**

The hammer, anvil, and stirrup are parts of the ...

- A) Trichromatic theory
- B) Mitchell's bionic arm
- C) Inner ear **{ i just remember this }**
- D) Kinesthetic senses
- E) Visual system

In class we discussed the killing of Tim Maclean on the Greyhound bus en route from Edmonton to Winnipeg. The psychiatrist said that Vincent Li performed the attack because God's voice told him McLean was a force of evil and was about to execute him. The presiding judge accepted the diagnosis, and ruled that Li was not criminally responsible for the murder. Vincent Li was diagnosed as...

- A) Having dissociative identity disorder
- B) Having anterograde amnesia
- C) Being a paranoid schizophrenic **{ proff. told us }**
- D) Having generalized anxiety disorder

Darwin's theory of evolution was a major breakthrough for psychologists, but Darwin's cousin Galton was the individual who proposed the phrase "nature vs. nurture." Nature vs. nurture refers to which of the following in terms of intelligence?

- A) **Genetics vs. environment { needs to confirm }**
- B) Cognitive vs behavioural approach
- C) Intrinsic vs extrinsic motivation
- D) Machines vs human information processing
- E) The mind-body problem

According to information in the notes (see chart, people are least likely to seek treatment for which of the following disorders?

- A) Bipolar disorder
- B) Major depression
- C) **Phobia disorder { see the chart }**
- D) Panic disorder
- E) Obsessive compulsive disorder

Systematic desensitization is a technique used to reduce phobias that involves...

- A) Telling phobic people that they are being irrational
- B) Assuring phobic people that their fears are legitimate
- C) **Exposing phobic people gradually to feared stimuli while they stay calm and relaxed { in lecture notes, phobic people go thru series of steps and try to be clam..and relaxed }**
- D) Ensuring that phobic people will never have to encounter their fear

You are at a bar when you suddenly recognize a friend from across the crowded room. In order for this to occur, the "what" and "where" pathways are used simultaneously to process the information about your friend and to unify the information into a complete picture. This is an example of...

- A) Transduction
- B) Bottom up processing
- C) Tympanic processing
- D) **Parallel processing {given in lecture notes}**
- E) Opponents process theory

What is the most common non-genetic cause of mental retardation in North America?

- A) Poor prenatal nutrition
- B) PKU
- C) Low birth weight
- D) Anoxia
- E) **Fetal alcohol syndrome in lecture notes - It is the most common known non-genetic (non-inherited) cause of mental retardation in North America.**

When we saw the short video of a schizophrenic patient, we noticed that...

- A) She remained quite immobile refusing to speak
- B) She became agitated and aggressive towards the interviewer
- C) The things she was saying were disorganized and didn't make a lot of sense [i know this]
- D) She spoke in telegraphic speech ...short phrases of one or two words only

\_\_\_\_\_ can occur when short term memory is filled to capacity and an incoming item pushes out an existing item which is then forgotten.

- A) Displacement [saw / heard it before].....sure
- B) Temporary amnesia
- C) Senility
- D) Interruption

Which of the following sounds would be the easiest to localize (determine where it is coming from)?

- A) One directly in front of you
- B) One directly above your head
- C) One directly behind you
- D) One directly to your left { because slight different noise in left and right ear this is called sound localization given i n lecture notes }

We believe that infants are biologically prepared to learn language for several reasons. Which of the following does NOT support a biological basis for language acquisition?

- A) Because children in all cultures learn language by going through very similar stages of development.
- B) Because there are hundreds of different languages experience an environment must play a role.
- C) Because Broca's & Wernicke's areas of the brain are specialized for language.
- D) There is a critical period between 18 months and puberty when a first language must be learned.

Jane is very competitive, hard driven, has little to no patience, and in many situations is hostile. She is considered to have a type A personality factor. This puts Jane at risk for health problems like. . .

- A) Obesity and diabetes
- B) Pneumonia and asthma
- C) Arthritis and osteoporosis

D) Heart disease and heart attacks

The fluid-filled, spiral structure of the inner ear is called the...

- A) Hair cell.
- B) Eardrum.
- C) Cochlea. {if its spiral thn it has to be cochlea } [also a quiz question ]
- D) Oval window.

Studies show that people with a(n) \_\_\_\_\_ had three times as many heart attacks.

- A) Angry disposition
- B) Fight versus flight response
- C) Angry temperament

"investigators found an elevated incidence of heart attacks among participants who exhibited an angry temperament."

- D) Overeating disorder
- E) None of the above

Although the drug Lithium is effective in treating Bipolar Disorder, it needs to be closely monitored when patients take it because....

- A) The effective dosage is almost toxic

Lithium is widely used to treat bipolar disorders...even out the moods of patients and reduce the number and severity of episodes of both mania and depression... and must be closely monitored because the effective dosage is very close to toxic levels

- B) It can induce epileptic seizures
- C) The drug can cause massive weight gain, often resulting in diabetes
- D) The drug can react violently with certain common foods

Which statement about phobic disorder is FALSE?

- A) Phobia is overwhelming fear associated with a specific object or situation
- B) Biological contributors to phobic disorders may include the thalamus and amygdala
- C) People with phobic disorders view their fears as being very rational and reasonable
- D) Phobias may be due to classical conditioning and observational learning { because phobias are triggered by incidents not conditioning ,proff. told us }

The \_\_\_\_\_ acts as a relay station for sensory messages on their way to the cortex (vision, hearing, taste, and touch). Thus even a small injury in this area can cause deafness,

blindness, or loss of other senses.

- A) Sensory cortex
- B) Corpus callosum
- C) Cerebrum
- D) Thalamus [ we know this that's it! ]
- E) Pituitary gland

During the Vietnam War, American forces attacked a village believed to be a Viet Cong stronghold. Instead of finding the enemy, the troops found unarmed civilians. The soldiers began shooting indiscriminately and 500 people were slaughtered including women, babies, old men. Which statement below is FALSE?

- A) Hugh Thompson resisted orders of officers and did not follow the actions of other soldiers
- B) In the aftermath of the massacre, the soldiers on the scene made an effort to cover up the killings, " right from the lecture notes ... the aftermath of the massacre, the soldiers on the scene made an effort to cover up the killings, minimizing the number of civilian casualties to a couple dozen. Thompson eventually testified in the My Lai massacre trials ..."
- C) Thompson eventually testified in the My Lai massacre trials that followed
- D) Hugh Thompson was welcomed home by the media as an American hero

Which is NOT a property of rods?

- A) Receptors for black and white
- B) Found mainly on outer area of retina
- C) Works very hard at night { not sure }
- D) Located in the optic chiasm { everything else is true, so this one has to be false }

What is the primary factor in determining which information from sensory memory moves on for further processing?

- A) Iconic imagery
- B) Attention { if we focus our attention then it's processed otherwise not, makes sense to me }
- C) Storage capacity
- D) Elaborative rehearsal
- E) Recognition

Each of the following is considered an Anxiety Disorder EXCEPT:

- A) Panic Disorder
- B) Obsessive-Compulsive Disorder
- C) Bipolar Disorder { it includes mania stage as well }
- D) Post-traumatic Stress Disorder

People who suffer from schizophrenia and people who suffer from Parkinson's disease both have either an imbalance or a loss of this substance...

- A) Nor epinephrine
- B) Dopamine [PROF SAID...IF U SEE DOPAMINE ANYWHERE SELECT THAT]
- C) Serotonin
- D) Prozac
- E) Morphine

Which of the following is true about psychological disorders?

- A) People with psychological disorders are often violent or dangerous
- B) Once diagnosed, a person can never be cured of a mental disorder
- C) Abnormal behavior is always bizarre
- D) Disorders can be influenced by biological, psychological, and sociocultural factors { makes sense, i agree }
- E) All the above statement are TRUE

Considering those people who are classified as mentally retarded...

- A) About 90% will eventually recover from the condition
- B) About 90% are cultural-familial form of retardation
- C) About 90% are males
- D) About 90% are in the mild range "lecture notes, directly from there "

"I was just following orders." That was the essence of Adolf Eichmann's defense when he was tried for his war crimes, which included masterminding the Nazis' attempted extermination of European Jews. According to Milgram's research...

- A) Some people like serial killers are born evil and cannot be reformed
- B) Most people may be pressured to commit evil acts that hurt others "lecture notes, same lines "
- C) Fewer than 1% of the population will follow through with hurting others
- D) When genetic factors overpower situational factors, evil acts may occur

A man is more likely than a woman to be born with colour blindness because...

- A) Of trauma to the optic nerve
- B) He has a defective Y chromosome from his father
- C) He has a defective X chromosome from his mother [ because father can't have y, males = xx and females = xy }
- D) He has two recessive genes from his mother and father

E) He has a malfunction in the optic chiasm

\_\_\_\_\_ are created during times of personal tragedy or other emotionally significant events

- A) Unconscious memories
- B) Explicit memories
- C) Flashbulb memories
- D) Working memories
- E) Obsessive memories

When looking at the intelligence of adopted children what do we find?

- A) They are correlated only with the adoptive family
- B) They are correlated only with their biological family { proff. mentioned it many times }
- C) They are correlated equally with the adoptive and biological family
- D) There is little correlation with the adoptive or biological family

Which of the following does NOT belong in Carl Rogers person-centered therapy?

- A) Direction and control by therapist
- B) Empathy and active listening
- C) Unconditional positive regard
- D) Patient insight and self-reflection

LODU

When a person is suffering from an anxiety disorder they are most commonly prescribed a \_\_\_\_\_ for treatment of the disorder.

- A) Tricyclic
- B) SSRI (selective serotonin reuptake inhibitor)
- C) Benzodiazepine { just remember this, 100% correct }
- D) Neuroleptic

Bandura did some early research where children observed a model being aggressive towards someone else. Later the behaviour of these children was observed during play sessions. What implications might this research have for the use of spanking by parents?

- A) The more children are spanked the more they will listen to their mothers  
**B) The more children are spanked the more they will imitate this aggressive behavior { because it's 100% right }**  
C) The more children are spanked the less they will engage in aggressive behavior  
D) Spanking should be used only for boys and not for girls' misbehavior

Einstein the parrot was able to say many different words including referring to himself as a "Superstar". How can this best be explained?

- A) Einstein was a super-intelligent parrot about as smart as five-year old child  
B) Einstein had mastered speech in the same way a child learns language  
C) Einstein learned to speak words in small steps through reinforcement (reward)  
D) Einstein had a brain injury which led to the re-wiring of his brain and special abilities

In regards to positive emotions and health, it has been documented that positive emotions are linked to the release of what substance that plays a role in the early immune reaction to viruses and bacteria?

- A) Hemoglobin.  
B) Cortisol.  
C) Immunoglobulin A. **{ given in lecture notes, 100% right }**  
D) Lymphocytes.

Perception depends heavily on the selection of sensory input or in other words, what people focus their attention on. A visual scene may contain many objects, some may capture our attention and others not. In one video a man and woman showed us a card trick but as we carefully watched the cards, most of us did not notice...

- A) The cards were actually all the same colour and not black and red as in a normal deck  
B) The man and woman changed their shirts to a different colour **{ selective attention }**  
C) The man that started the trick was different from the man who finished it  
D) People in the background throwing pies at each other

There are some people born without the sense of pain because their nervous systems are not equipped to detect painful information. The following statements are true EXCEPT for?

- A) Without ability to detect painful events, you would continue to cause injury to yourself.  
B) Pain acts as a warning system that protects you.  
C) If you have your hand on a hot stove, pain tells you to stop touching the stove and remove your hand.  
D) Feeling no pain enhances your other senses **{ makes no sense, 100% wrong, so this option 100% correct }**  
E) If you broke a bone in your arm, you might continue using the arm because it did not hurt

\_\_\_\_\_ can involve the senses being mixed up. The most common symptom of this disorder occurs when someone always sees a certain color in response to a certain letter of the alphabet or number.

- A) Parallel processing
- B) Visual agnosia
- C) Stereopsis
- D) Retinal disparity
- E) Synesthesia { trust me, its just right }

Which statement about stress is FALSE?

- A) Chronic emotional stress is associated with high blood pressure
- B) Most stomach ulcers and gastritis are caused by stress [ we just did that question before ]
- C) Persons with hostility have higher elevations of stress hormones
- D) The fight-or-flight response is a physiological reaction to stress or threat
- E) Stress is a major contributor to cardiovascular disease

In one test, 6 to 12 month old infants are placed in the middle of a flat table so they can have a choice of crawling to the shallow side or the deep side. Most infants choose the shallow side; in fact most infants refuse the deep side even when their mother is calling them. This is due to...

- A) Separation anxiety
- B) Depth perception [ was oin quiz ]
- C) Contact comfort
- D) Egocentrism
- E) Visual immaturity

In the early 50's and 60's Dr. Ewan Cameron, founder and director of the Allen Institute in Montreal became a significant figure in the field of psychology. Which of the following did he NOT do?

- A) Obtain consent from all of his patients
- B) Receive funding from the C.I.A. (Central Intelligence Agency – USA)
- C) Expose patients to massive doses of shock therapy
- D) His treatments caused some patients to lose much of their episodic memory
- E) Use LSD, hours of tape recordings, and sensory deprivation in his experimental treatments

Which of the following statements about aggression is FALSE?

- A) There appears to be a genetic link to aggression.
- B) There is an “aggressiveness centre” in the hypothalamus of the brain [ no where in lecture notes ]
- C) Alcohol, which suppresses our inhibitions, has been strongly linked to aggression
- D) Neurotransmitters such as serotonin are linked to aggression

Which statement about language acquisition is FALSE?

- A) Language acquisition starts before birth.
- B) At 9 or 10 months babbling may involve repeating syllables on and on (e.g., bah-bah-bah-bah-bah-bah)
- C) Between 11 and 13 months, babies utter their first words... dada...ball...cat
- D) “Give me the ball” is an example of telegraphic speech (certain words are left out)

Which of the following statements about the memory is FALSE?

- A) Gaps in memory may be filled with logic, guessing, and new information
- B) It is easy to have memories of things that never happened
- C) Memory is like a video recorder capturing every aspect of an experience as it occurs
- D) Updating one’s memory is also referred to as constructive processing

Which of the following statements about treatment of schizophrenia with neuroleptics is FALSE?

- A) They are toxic and produce tardive dyskinesia
- B) They reduce hallucinations and delusions
- C) They provide the only know permanent cure for schizophrenia
- D) They block dopamine activity in the brain

What is so different about how the image of objects appears on the retina?

- A) The retina views things upside down but the brain changes the image to right side up.
- B) The retina views in black and white but the brain adds in the colour.
- C) The retina can only see objects far away but the brain clarifies near objects.
- D) The retina can only see objects up close but the brain clarifies far objects.

In Asch's conformity experiment, participants were asked to pick which line was the longest. When others in the group chose the shorter line as correct, people tended to...

- A) Go along with the rest of the group even though the answer was clearly wrong
- B) Choose the correct answer even though no one else did
- C) Choose the correct line if at least one other person had already chosen the correct answer
- D) Tried to persuade all the other "participants" that they were mistaken
- E) Both A and C are correct

The primary factor in determining which information from sensory memory moves on for further processing is...

- A) Whether the information is iconic (visual) or echoic (auditory)
- B) The strength of the incoming sensory signal
- C) Whether or not we focus our attention on the information
- D) All information has approximately equal chance of moving on for further processing

Which of the following statements about aggression is NOT correct?

- A) Children who watch more violence on TV are more aggressive
- B) Males are more aggressive in every culture and also in animal and human species
- C) Children who get spanked tend to become less aggressive
- D) Aggression is due to both biological and cultural differences

Which of the following would best describe a situation involving the use of your semantic memory?

- A) Remembering how to ride a bicycle.
- B) Trying to push an embarrassing memory out of your awareness.
- C) The conditioned response of knowing that when the school bell rings, your class is over for the day.
- D) Knowing that  $9 \times 3$  equals 27. Semantic Memory...refers to our general knowledge of the world and all of the facts we know. Semantic memory allows a person to know that the chemical symbol for salt is NaCl, that dogs have four legs, that  $3 \times 3$  equals 9, and thousands of other facts. Semantic memories are not tied to the particular time and place...in

In the field of intelligence, what is the main reason why researchers often conduct studies of twins?

- A) To look at the effects of pre-natal experience on intelligence
- B) To study Whorf's linguistic hypothesis (language affects thought)
- C) To determine how much of intelligence is hereditary and how much is due to environment
- D) To look at the developmental changes in intelligence across the lifespan

Professor Fiore is watching T.V in his living room when the power goes out. He gets up from the couch and tries to make his way to the kitchen where he keeps a flashlight. It is pitch black and he can hardly see a thing but he continues on. What part of the eye is working the hardest?

- A) The Cones
- B) The Pupil
- C) The Iris
- D) The Rods
- E) The Cornea

What is one major risk factor for Down Syndrome?

- A) Exposure to rubella
- B) Exposure to smoking during pregnancy
- C) Older maternal age [ was in quiz ]
- D) Poor prenatal nutrition
- E) Maternal drug use during pregnancy

\_\_\_\_\_ is one of the most serious psychological disorders. Characteristics of this disorder include incoherent speech, delusions, hallucinations or catatonic behaviour

- A) Alzheimer's
- B) Dissociative amnesia
- C) Bipolar disorder
- D) Depression
- E) Schizophrenia

The characteristic most closely associated with coronary disease is...

- A) Hostility or anger

**Type A characteristic most associated with coronary disease is hostility. For example, in**

**one study of almost 13,000 men and women who had no prior history of heart disease (Williams et al., 2000), investigators found an elevated incidence of heart attacks among participants who exhibited an angry temperament.**

- B) Anxiety.
- C) Self-denial
- D) Being too relaxed and easygoing
- E) Fear of failure

In the case study of Mr. P., The Man who Mistook His Wife for a Hat...which statement is FALSE?

- A) Mr. P. really did try to pull off his wife's head because he thought it was a hat(!)
- B) Mr. P. failed to recognize people he had known for many years
- C) Mr. P. became depressed over his disability and could no longer work
- D) Mr. P. made adjustments to his life so that could continue to function adequately

Animals can be trained to do many things using simple rewards such as food. Which of the following experiments with pigeons did we see on the video in class?

- A) Teaching pigeons to play video games
- B) Teaching pigeons to play the piano with their beaks
- C) Teaching pigeons to whistle the "Happy Birthday" song
- D) Teaching pigeons to discriminate between paintings by Picasso and Monet

If you slowly wave your finger or a pencil in front of you while staring straight ahead, you will see a shadowy image that trails behind the object. This is a simple demonstration of ...

- A) The operation of a false memory
- B) The operation of short-term memory
- C) The operation of sensory memory
- D) The operation of flashbulb memory

In Post-traumatic Stress Disorder, a traumatic event is relived repeatedly through thoughts, dreams or "flashbacks". Researchers are looking at which area of the brain as a possible cause of this disorder?

- A) Hypothalamus
- B) Thalamus

- C) Occipital lobe
- D) Basal ganglia
- E) Amygdala

The Retina is the primary mechanism of sight. Which of the following is the best description of the retina?

- A) The part that fine tunes the focus of the image by flexing its curvature (accommodation).
- B) The clear curved membrane just in front of the eye, covering the pupil and iris totally.
- C) The part that receives light from objects we see and converts this information into electrical impulses.
- D) The part that controls the amount of light entering the eye, either opening or closing to emit light.

In evaluating physical diseases, people can usually agree that a malfunctioning heart or kidney is pathological, regardless of their personal values. However, judgments about mental illness reflect prevailing cultural values, social trends, and political forces, as well as scientific knowledge. One example that used to be considered a disorder but now is not is...

- A) Substance abuse
- B) Anorexia
- C) Homosexuality
- D) Depression
- E) Adultery

Because a severely depressed person did not respond to any treatment during the past year, a team of therapists has decided that inducing a brain seizure is the only remaining alternative. Therefore, the patient will receive....

- A) Psychosurgery
- B) An antipsychotic drug
- C) Lithium overload
- D) Electroconvulsive therapy
- E) Aversion therapy

Hostility may be the crucial toxic element in Type A personality. Which of the following is FALSE?

- A) Hostility increases blood pressure and the risk of heart attack

- B) Hostility increases our sense of personal control and self-efficacy
- C) Hostility may raise testosterone levels, which decreases protective lipoproteins
- D) Hostility leads to higher levels of stress hormones and slower recovery from stress

Walter Freeman made lobotomy popular between 1935 and 1955. Which statement is FALSE?

- A) There was no clear evidence this procedure worked for most patients.
- B) Freeman travelled around in his own personal van, which he called his "lobotomobile".
- C) Patients often became docile after the procedure.
- D) Lobotomy was the first effective cure for schizophrenia

Which symptoms best describe what a person would experience if they were suffering from aphasia?

- A) Problems recognizing familiar symbols and or objects.
- B) A drastic change in one's personality.
- C) Problems understanding simple concepts that were once familiar.
- D) Difficulty speaking, writing, reading or understanding spoken language.
- E) Problems with the sensory area of the brain, resulting in loss of "feeling".

Following a severe brain injury K.C. was unable to consciously recollect anything that had ever happened to him but was able to remember many facts about things like geography and history. K.C. had lost his \_\_\_\_\_ while his \_\_\_\_\_ was preserved

- A) Long-term memory...short-term memory
- B) Semantic memory...episodic memory
- C) Episodic memory...semantic memory
- D) Retrospective memory...prospective memory

Where is the blind spot of the eye located?

- A) In the occipital lobe.
- B) At the fovea.
- C) At the part of the retina where the optic nerve leaves the retina.
- D) At the optic chiasm where pathways intersect.

??A woman is more likely than a man to be diagnosed with...

- A) Depression.
- B) Antisocial personality disorder.
- C) Substance abuse.
- D) Alcoholism.
- E) All of the above

The term biofeedback refers to...

- A) Using probes for deep brain stimulation
- B) Monitoring performance of the heart using pacemakers
- C) A form of genetic testing that uses DNA extracted from the developing embryo
- D) Monitoring biological states like blood pressure or brain waves

Which of the following is FALSE about ECT (Electroconvulsive Therapy)?

- A) ECT can cause short term memory loss
- B) ECT causes a seizure in the brain
- C) ECT is no longer used today because of ethical concerns
- D) Some people have received hundreds of ECT treatments
- E) ECT has been approved by the American and Canadian psychological Associations

In class we saw a video of two people on a roller coaster ride. This was intended to demonstrate that...

- A) Physiological arousal is linked to emotions
- B) Two people may interpret the exact same experience as stressful or as enjoyable
- C) Some people can use meditation to control or reduce their arousal
- D) Fear cannot be controlled no matter how hard we try
- E) The amygdala overpowers the rational part of the brain

**YELLOW HIGHLIGHTED LINES ARE REFERENCES TO THE ANSWERS FROM THE LECTURE NOTES/ WEBSITES or VIDEOS**

**[ Answer Needed SOMEBODY SOLVE THIS ONE ]**

Older people often complain that their memory is getting worse. For example, they may not remember a phone number (647-8943) that someone just told them a few minutes earlier. Which explanation below is most CORRECT?

- A) Information in short-term memory is easily disrupted for everyone (young and old)
- B) There is an absence of neurogenesis in older people leading to memory loss
- C) Semantic networks of information arranged in hierarchies begin to degenerate as we get older [ this seem correct to me]- vote that as well
- D) The brain and memory of older people deteriorates due to disorders such as Alzheimer's disease [ this also ]

**[ ANSWER NEEDED ]**

Which statement about colour vision is FALSE?

- A) Three cone types help us to see colour (red, green, & blue) [ I think its this one]
- B) Infants have poor colour vision...does not fully develop until about six months of age
- C) Dogs have colour vision like that of a red-green colour blind person
- D) The Ishihara Test is designed to diagnose colour blindness. (so not true) right from the notes "Ishihara Test is used to identify colour blindness and colour weakness."

**BELOW QUESTIONS ARE ALL CORRECT!!!!**

In terms of stress responses, cognitive appraisal refers to...

- A) An individual's interpretation of a situation as harmful, threatening, or challenging **"- Whether an event is seen as threatening or as merely challenging depends on cognitive appraisal (our interpretation)...stress lies in the eye of the beholder...events that are stressful for one person may be routine for another"**
- B) The negative consequences that result from contact between two distinctive cultural groups
- C) A conflict in which the individual must choose between two unattractive alternatives
- D) A personality type which includes a sense of alienation and powerlessness

About 50% of mental retardation cases are organic. Which of the following is NOT CONSIDERED ORGANIC factor?" **About 50% of cases are organic...Organic retardation is mental retardation caused by a genetic disorder or by brain damage (birth injuries, fetal damage from disease, infection, or drug use)..."**

- A) Genetic disorders (e.g., Down syndrome)
- B) Inadequate nutrition or early stimulation **"common sense"**
- C) Fetal damage from diseases or infection
- D) Fragile X syndrome
- E) Fetal alcohol syndrome

After information is attended to, it moves into \_\_\_\_\_, which has the capacity to hold approximately \_\_\_\_\_ of information for about \_\_\_\_\_

- A) Sensory memory.....7 bits.....1 second
- B) Short-term memory.....7 bits.....5 minutes
- C) Short-term memory.....7 bits.....30 seconds
- D) Long-term memory.....millions of bits.....indefinitely **"common sense, our memory is infinite"**

When we sense a stressor, the \_\_\_\_\_ sends a signal to the autonomic nervous system and to the \_\_\_\_\_, thus stimulating several physiological changes associated with the fight-or-flight response.

- A) Amygdala...limbic system,
- B) Neurotransmitters...synapse
- C) Hypothalamus...pituitary gland. RIGHT **"When we sense a stressor, the hypothalamus sends signals to the autonomic nervous system and to the pituitary gland thus stimulating several physiological changes associated with the fight-or-flight response"**
- D) Pituitary gland...motor cortex
- E) Hippocampus...amygdale

Rick is one of those people who always see "the glass as half empty." His thoughts are

dominated by negative themes and pessimism. What method could be used to improve Rick's negative thoughts about himself and the world around him?

A) Biofeedback

B) **Cognitive restructuring**

**“optimistic attitude is better than pessimistic. Cognitive restructuring involves modifying negative thoughts, ideas, and beliefs”**

C) Behaviour modification

D) Psychoanalysis

Information deteriorates most quickly from...

A) Explicit memory.

B) Short-term memory.

C) **Sensory memory. Sensory Memory...storing an exact copy of incoming information for a few seconds;**

D) Episodic declarative memory.

**“Only H.M.’s declarative memory was affected...ability to store facts, personal experiences, names, faces”**

**“Types of Long-Term Memory**

**- Procedural memory (skills) and declarative memory (facts).”**

The \_\_\_\_\_ is the small area at the center of the retina that contains only cones and provides the most acute vision.

A) **Fovea “in fact the fovea contains only cones (about 50,000 of them)”**

B) Optic nerve

C) Lens

D) Rods

Mania is a component of bipolar disorder. Which of the following best describes mania?

A) Completely consuming feeling of depression

B) **Extreme feelings of euphoria, energy, optimism and impulse “People with bipolar disorder are vulnerable to emotional extremes at both ends of the mood continuum, going through periods of both depression and mania (excitement and elation).”**

C) Psychotic thoughts that can escalate to violence

D) Warning sign of potential suicide

Studies of crime rates show that the incidence of highly aggressive behavior including murder, rape, and assault tends to increase....

A) During the Christmas season

B) **As temperature increases from warm to hot //said in class**

C) During days when there is a full moon

D) During football season but not during baseball season

Which statement about cognitive behaviour therapy is FALSE?

- A) Self-efficacy is an important feature (e.g., "I'm going to master my problem.")
- B) Tries to replace irrational or negative thinking
- C) Is about as effective as drug therapy for treating certain disorders
- D) Focus is on unconscious thoughts that patient may be repressing. .

**"Therapies focus on active learning in the here and now and do not search for unconscious conflicts."**

**"Self-efficacy is the concept that one can master a situation and produce positive outcomes"**

**"Can be just as effective as drug therapy in treatment of depression".**

During stress, cortisol is a steroid that is good for the body over the short term because it causes cellular fuel to move to muscles; however, high levels over the long term.....

- A) Decreases your appetite
- B) Decreases blood pressure
- C) **Suppresses the immune system- Together these changes produce a heightened state of alertness and readiness for action...we may confront the stressor or run from it (fight or flight hormone cortisol (glucocorticoid...the most harmful effects of stress are produced by the prolonged secretion of glucocorticoids))...regardless of the stressor the biological response is the same**  
**- Short-term stress actually "revs up" the immune system, an adaptive response preparing for injury or infection, but long-term or chronic stress causes too much wear and tear, and the system breaks down. The most chronic stressors – which are more beyond control and seem endless -- were associated with the most global suppression of immunity.**
- D) Decreases peripheral circulation

Although memory is distributed throughout the brain, certain brain structures are more heavily involved in certain types of memory. The amygdala is most involved in which of the following?

- A) **Emotional memories.**  
**"the amygdala (part of the limbic system) is involved in emotional memories"**
- B) Implicit memory.
- C) Explicit memory.
- D) Episodic memory.

Which of these is the first language milestone?

- A) Babbling [vote for this]
- B) Two-word sentences
- C) Telegraphic speech
- D) First word
- E) Burping

Hearing impairment is very common in human populations, but it is a very heterogeneous disorder, with a wide range of causes. Which statement below is FALSE?

- A) Infants may be born with hearing loss caused by a viral infection that was acquired during pregnancy.

- B) Most "deaf genes" are transmitted by, and inherited from, hearing parents.
- C) The vast majority of deaf parents have hearing children.
- D) When hearing impairment is genetic it is always caused by a faulty gene on the 23rd chromosome **"Any statement with word "always" is always false :D"**

What is happening in the process of transduction?

- A) The eyes and ears receive stimulus information from the environment.
- B) Physical energy detected by the receptor cells is converted into electrochemical impulse.
- This is a quiz question**
- C) The brain responds to sensory information by sending messages to various parts of the body.
- D) Sensory impulses are translated by the sensory cortex of the brain.

Which of the following statements about social identity and group relations is FALSE? **"Conflicts among ethnic and cultural groups are common worldwide. We are continually comparing our groups (in-groups) with other groups (out-groups)...when individuals compare their groups with other groups, there is a tendency to emphasize differences between groups"**

**Comparisons often lead to competition and even discrimination against other groups. Tendency to favour one's own group over others is called ethnocentrism. Negative side is that ethnocentrism creates ingroup/outgroup and we/they thinking...focus on group differences...may set selves apart and even above others."**

- A) Comparisons may lead to competition and discrimination
- B) We focus more on differences between groups than similarities
- C) **Although we favour our own group, we would never hurt or harm others who belong to an "out-group"**
- D) We tend to promote positive things about our group and negative things about other groups

An example of synesthesia is when someone always sees a certain color in response to a certain letter of the alphabet or number. Synesthesia is caused by...

- A) Malfunction of cones in the retina
- B) **Connections between brain areas that process different senses**
- C) Absence of the FRMP protein in the eye
- D) Tiny lesions in the sensory cortex
- E) Trauma or damage to the temporal lobe

In Milgram's "learning" experiment, the major finding was that...

- A) The use of punishment was effective in promoting learning
- B) Most students who were being shocked quit the experiment due to the pain
- C) When the student protested that the shocks hurt, most teachers refused to continue with the shocks
- D) **Most teachers in the experiment continued giving shocks up to the maximum 450 volts - No participant stopped cooperating before the learner reached the point of pounding on the wall, but 5 quit at that point. 26 of the 40 subjects (65%)**

administered all 30 levels of shock.

What do Wernicke's area and Broca's area have in common?

- A) They are both related to language processing //in quiz and told us in lecture
- B) They are both related to circadian rhythms
- C) They are both related to motor movements (e.g., walking)
- D) They are both related to the visual system

Irena remembers, "When I was eighteen, I travelled across Canada with my friends for the entire summer." This memory represents a(n)

- A) Implicit memory.
- B) Procedural memory.
- C) Episodic memory...obvious
- D) Prime memory.

The theory that the spinal column can either allow or block the perception of pain is known as the

- A) Signal detection theory.

B) Gate control theory.

A process called sensory gating blocks some incoming nerve impulses while allowing others to get through. Pain messages from different nerve fibres pass through the same neural gate in the spinal cord. If the gate is closed by one pain message, other messages may not be able to get through

- C) Subliminal perception theory.
- D) Volley theory.

In class we saw a short video clip involving two identical twin boys. One of the boys was shorter than the other and also had a lower IQ than his taller brother. After both boys were exposed a very stimulating environment for several months, what happened?

- A) Only the IQ of the shorter twin improved and he caught up to his taller brother <-- this was marked
- B) The IQ of the taller twin improved and so the shorter twin fell farther behind
- C) The IQ of both twins improved the same amount due to the enriched stimulation
- D) IQ did not change at all because the critical period of development had been missed

Hundreds of years ago, people with mental disorders were thought to be possessed by the devil or evil spirits. One of the earliest known attempts to treat these disorders involved:

A) Putting leeches on the skin to suck out or remove "bad blood"

B) Having patients walk on fire to cleanse the body and soul of the evil spirits

C) Drilling holes in the person's skull to allow the evil spirits to leave "Hundreds of years ago, people with mental disorders were viewed as possessed by the devil or evil spirits...earliest known attempts to treat these disorders involved drilling holes in the person's skull to permit the evil spirits to leave...other "cures" included beatings, starving, and near drowning"

- D) Immersing people in holy water for several minutes almost to the point of drowning
- E) All of the above

Which of the following does not contribute to work-related stress?

- A) Job that is high in personal control and autonomy
- B) Job responsibilities that interfere with home life
- C) Decrease in job security
- D) Job that provides few advancement opportunities

The causes of mood disorders may include each of the following EXCEPT:

- A) Genetic factors
- B) Impact of severe stress
- C) Imbalance in neurotransmitters (serotonin, norepinephrine, and dopamine)
- D) Deterioration of neurons, especially the myelin sheaths (causes Alzheimer's not mood disorders)

In the debate over chimpanzees' ability to use language, there is ...

- A) Chimps understand symbols, but whether they can use language to express thoughts is unresolved. "some chimpanzees can manipulate language-like symbols with syntax that resembles that of young children."
- B) Chimpanzees can both understand symbols and use language to express their thoughts.
- C) Chimpanzees cannot understand symbols nor can they use language to express ideas.
- D) Chimpanzees can understand symbols but they cannot use language to express thoughts.

Most amputees have phantom limb pain sometimes months or even years after losing a limb. Because the phantom limb feels so real, a patient with a recently amputated leg may even try to walk on it. The video we saw in class used what type of therapy to help patients deal with phantom limb pain?

- A) Mirror therapy { I REMEMBER THIS FROM LECTURE, GUY WITH MIRROR IN FRONT OF HIS LEGS}
- B) Cognitive therapy
- C) Drug therapy
- D) Group therapy
- E) Electroshock therapy

There are two commonly used tests of intelligence (IQ test). Which of the following is NOT one of them?

- A) The Wechsler Intelligence Test..both the above ones are given in notes. third one is just made up by prof
- B) The Stanford-Binet Intelligence Test
- C) Gardner's Multiple Intelligence Test

Action potentials of all sensory nerves are exactly the same...so how does the brain distinguish action potentials associated with sight, sound, touch, etc.?

- A) A process called synesthesia helps to distinguish them
- B) Depends on thresholds of the different sensory receptors
- C) Sensory receptors each have different neural pathways to the brain - sensory receptors each have different neural pathways specialized to absorb a certain type of energy (e.g, light or sound) and transduce it into electrochemical energy.
- D) Through use of an ingenious parallel processing system

Which of the following is FALSE regarding prefrontal lobotomies?

- A) They are still a common surgical procedure today. remember from class
- B) A surgical instrument was inserted into the brain and rotated, severing neural fibres.
- C) Some subjects improved, but many were left in a vegetative state.
- D) The researcher who developed the procedure was awarded the Nobel Prize.

Aggression can be triggered by a broad range of aversive experiences. Which of the following is NOT linked to aggression?

- A) Testosterone.
- B) Serotonin.
- C) Alcohol.
- D) Stimulation of the lower limbic system
- E) Melatonin. This is linked with sleep

**“Neurotransmitters such as serotonin linked to both violent and suicidal behaviour. Alcohol, which suppresses our inhibitions, has been strongly linked to aggression. Testosterone may be related to higher levels of aggression.”**

Larry has been treated with neuroleptics for several years. Recently, he has started to display strange, involuntary contortions of the face and mouth. In addition, he cannot control the frequent twitching of his legs, arms, and neck. How can you best explain Larry's condition?

- A) The medication is no longer working, and his schizophrenic symptoms have returned.
- B) He probably drank alcohol, which causes a bizarre interaction with neuroleptics.
- C) He has developed tardive dyskinesia, a common side effect of neuroleptics. Neuroleptics are most widely used antipsychotic drugs but may also target other neurotransmitter receptor sites. Unfortunately antipsychotic drugs do not discriminate between dopamine secreting neurons involved in symptoms of schizophrenia and dopamine secreting neurons involved in control of movements...
- D) The symptoms indicate that he took an overdose of neuroleptics.
- E) He has Tourette's syndrome.

Which type of stress will lead to most damage to the immune system?

- A) Acute stressors of brief duration
- B) Chronic stressors that last for a long time [the immune system, The most chronic stressors – which are more beyond control and seem endless -- were associated with the most global suppression of immunity.]
- C) Perceiving a stressor as a challenge to be overcome
- D) Stress associated with positive circumstances (such as winning a lottery)

Which ONE of the following statements about early development of language is FALSE?

- A) Infants use gestures to communicate before they use words
- B) Language is in our genes and so does not depend on experience or environmental stimulation [vote for this]
- C) Responsibility for most verbal functioning is mainly to left hemisphere
- D) Prelinguistic vocalizations such as cooing and babbling do not represent objects or events

In brain more space is allocated for \_\_\_\_\_ than all other senses put together.

- A) Touch
- B) Taste
- C) Vision [occipital lobes]
- D) Smell
- E) Hearing

Which statement about stress is FALSE?

- A) Chronic emotional stress is associated with high blood pressure
- B) Most stomach ulcers and gastritis are caused by stress [Its not mentioned in lecture notes]
- C) Persons with hostility have higher elevations of stress hormones
- D) The fight-or-flight response is a physiological reaction to stress or threat
- E) Stress is a major contributor to cardiovascular disease [Hostility experiment: the high anger subjects experienced almost three times as many coronary events as the low-anger subjects.]

By the light of a half-moon, you saw a car with its lights off careen along the street, strike what appeared to be a person, and continue out of sight. You cannot tell the police the colour of the car because...

- A) Cones cannot see colour.
- B) Rods do not work in dim light.
- C) The moon interferes with sensory adaptation.
- D) Cones require a lot of light and are best in daytime. [Its right, we remember this from lectures]agree
- E) Colour blindness or weakness.

Are you smarter than a monkey? In one video, a monkey was shown several digits on a screen in random locations. The monkey was able to touch the digits in order very quickly and making very few mistakes. The monkey did much better than human subjects because...

- A) Most monkeys have higher intelligence than we believed in the past
- B) Most monkeys have quicker reaction time and better eye hand coordination
- C) Most monkeys have better short term memory than people
- D) These monkeys had much more practice than humans and so were better at the task** nishant was sleeping [did this in last lecture]
- E) The monkeys were genetically engineered to be smart

Alicia is working with her therapist to retrieve her 'lost' memories. Her therapist suggested to her that she was sexually abused as a child. Alicia strongly disagreed at the beginning and had no memory of being abused. But gradually over time she begins to 'remember' details of the abuse. What has probably occurred?

- A) The therapist may have plant 'false memories' [ in quiz, worded differently]**
- B) The therapist had hypnotized her to recover the memories
- C) We can be sure that Alicia really was sexually abused as a child
- D) This is an example of flashbulb memories

Tom Harrell, named jazz trumpeter of the year three times by Downbeat Magazine, is known for the intricate melodies he composes. When Harrell was in his 20s, voices in his head ordered him to walk through a window after he had some orange juice. Was diagnosed with what disorder?

- A) Obsessive-compulsive disorder
- B) Multiple personality
- C) Schizophrenia [proff told us]**
- D) Dissociative disorder

Rounded bumps on the tongue that contain taste buds are known as...

- A) Prostaglandins.
- B) Cones.
- C) Epithelium.
- D) Papillae. [ no other options seem correct, and its in lecture notes]**

Which statement below about panic disorder is FALSE:

- A) It involves periods of mania followed by depression [ this symptom is of bipolar disorders] [also in quiz]**
- B) It may lead to agoraphobia (fear of crowded public places)
- C) It strikes at any time and without warning

D) It involves a feeling of helpless terror

Deinstitutionalization refers to...

During the 1950's and 60's in Canada and the United States, huge numbers of previously institutionalized mental patients were deinstitutionalized. In 1963

- A) Preparing a patient for long-term stay at an institution
- B) Transferring patients from mental institutions to community
- C) Taking homeless people off the street and putting them in institutional facilities
- D) Removing labels and stigma from people who are in mental institutions

Some people show little risk of becoming ill after exposure to chronic stress because...

- A) They may interpret stressors as challenges Hardiness... associated with personality traits that include a sense of commitment, control, and a perception of problems as challenges
- B) They focus their attention to external cues
- C) Stress is in the eye of the beholder "these lines are from lecture notes exact"
- D) May be due to malfunction of the adrenal gland
- E) Both A and C are true

Which of the following is a true statement about mental retardation?

- A) Most retarded people are unable to live normal lives because of their mental deficiencies.
- B) Many of these individuals shed the label of retardation when they leave the school system and become adults.
- C) With special tutoring, a mentally retarded person can attain average intelligence.
- D) Mental retardation is defined only by IQ (usually below 70) Mental retardation is a condition of limited ability indicated by low IQ (usually below 70), difficulty adapting to the environment, and onset that begins during the developmental period (by age 18).

Which of the following is true about the progression of language development in infants and children?

- A) Language acquisition is mainly due to simple reinforcement and imitation.
- B) Language and thought are separate and independent processes.
- C) Babbling is unique to North American babies.
- D) Children all over the world develop language skills at the same time and in the same order. (not all children develop their language skills at the same time - not every child utters their first word at exactly the same age or talks in full sentences at exactly the same age)

Deinstitutionalization has led to the treatment of many psychological disorders in the community rather than having people hospitalized. Which of the following is a problem encountered during implementation of this process?(r u sure)

- A) People are separated from their families and friends

- B) Has led to more homeless people on the streets
- C) Patients may move in and out of hospital (revolving door problem)
- D) Too often frontal lobotomies are used to ensure that patients in the community are calm and stable
- E) B & C are both correct(not B) **(its definitely B and C... Pg. 550 in text, his last lecture, and my lecture notes all agree.)**

People in a mob may become disinhibited because they see themselves as anonymous and so have decreased responsibility. Likewise, if you could be invisible for a day, you might do some things that you would not normally do. This psychological process is known as...

A) Deindividuation

**Deindividuation occurs when the presence of a group results in the loss of personal identity and a decrease in personal responsibility...thus behave much differently than they would on their own...e.g., riots after sporting events or rock concerts. In a group, we may become disinhibited because we see ourselves as anonymous**

- B) Groupthink
- C) Dissociative disorder
- D) Risky shift

There are several ways to help people who suffer from some form of deafness. What is the major difference between the type of help provided by hearing aids and cochlear implants?

- A) **Only cochlear implants are able to help people with damage to the hair cells [I just asked the prof... the answer is A]**
- B) Only hearing aids are able to help people with damage to the auditory nerve
- C) Unlike hearing aids, cochlear implants are widely accepted by members of the Deaf Community
- D) Hearing aids are much less expensive than cochlear implants

Some of our fears (such as Post-Traumatic Stress Disorder) may seem so irrational because

- A) We experience a feeling of learned helplessness
- B) Some people have a low threshold for fear or arousal
- C) The sympathetic nervous system increases the level of physiological arousal
- D) **The amygdala's influence overpowers the reasoning portion of the brain [I asked the prof and the answer is D]**
- E) The left and right hemispheres of the brain are not communicating properly

Lobotomy was a popular fad between 1935 and 1955. Which statement is FALSE?

- A) There was no clear evidence it worked **[ it shd have worked thats why it got famous]**
- B) Freeman used an ice pick for the surgery **[ he used ice prick in some surgery, we were shown that disgusting video]**
- C) Patients often became docile after the procedure **[ somebody actually become docile ]**

D) Was the first effective cure for schizophrenia [ it wasn't so this shd be right ]

A major drawback to studying intelligence is...

- A) That emotional intelligence is actually more important
- B) There is no standardization, validity, or reliability in any intelligence test
- C) People can lie, as the tests involve questions with no right or wrong answer
- D) Intelligence cannot be measured directly but only through studying the intelligent acts people perform. (Sentence is right from the notes) -[CORRECT THIS IS FROM THE NOTES: - Physical characteristics like height and weight can be measured directly... intelligence cannot be measured directly...it can be evaluated only by studying the intelligent acts people perform.]

Some schizophrenics may suffer from delusions and hallucinations. One of the most common is the belief that...

- A) They have super-powers such as the ability to fly
- B) They are possessed by devils or demons [In lecture notes somewhere, its right]
- C) They have been abducted or are being pursued by aliens
- D) Their thoughts are being monitored or controlled by the government or the CIA. i think its D. classical case of paranoid schizophrenic.(crazy idea)

Head Start is a program used in the US to help the achievement level of disadvantaged children. What was the result of this program?

- A) There was no improvement (short or long-term)
- B) Females benefitted more than males from the program
- C) Improvement in achievement disappeared after children entered the regular school system "Head Start has been studied intensively for years and general conclusion is that it has little lasting impact on IQ...any improvements in IQ disappear within two or three years after starting school and gains are smallest for the most disadvantaged children...few "success" stories."
- D) Improvement was long lasting and the children continued to achieve at higher levels into high school

David J. Ross, a British Columbia man, claimed the RCMP used "subliminal messaging" technology to get inside his head something called a Neurophone to transmit "ultrasonic" waves into the brain. The judge said while the claims are "unusual and unconventional," the defendants didn't successfully argue their petition to have it dismissed. Which statement below is most likely correct?

- A) It is likely that we are all under surveillance from the government
- B) It is likely that David J. Ross was suffering from schizophrenia [ schizophrenic people talks like this, our prof. said that in class]
- C) It is likely that the judge was suffering from obsessive-compulsive disorder
- D) It is likely that the RCMP were using subliminal messaging and the Neurophone

E) It is likely this was just a prank and not a serious charge

Which statement is FALSE (if any) about the sense of touch?

A) Girls even as infants are more sensitive to touch than boys

B) The skin is the largest sensory organ of the body

**C) Touch receptors in the back and neck are more sensitive and also higher in density (wrong...fingers are the most sensitive)- [which makes sense for this to be the answer... since their asking for whats false :)]**

D) The hand shown in the diagram to right feels sensation of "hotness"

E) No statement is FALSE

Standardized intelligence tests have been criticized by many people as being inadequate measures of intelligence. What alternative has been suggested that is a better measure of intelligence than IQ tests?

A) Evoked neurological potential ?? never mentioned in notes

B) Positronic emission technology (PET)

C) Reaction time

D) Energy consumption by brain

**E) There is no better measure yet [I asked the prof!!]**

In the romantic comedy 50 First Dates (2004), Adam Sandler plays veterinarian Henry Roth, who falls for Lucy Whitmore (played by Drew Barrymore) after meeting her in a cafe one morning. The two hit it off, and arrange to meet again. The following day, Roth returns to the café to meet her, but she claims to have no recollection of him. As he leaves, the owner of the café takes him to one side, and explains that Whitmore "lost her short-term memory" after a "terrible car accident". We also learn that she can form new memories during the day, which are then wiped clean during her sleep, so that she wakes up to a "clean slate" every morning. Which information from this movie is most INACCURATE?

**A) Lucy has lost her short-term memory...DAM SURE [I remember prof saying this] its inaccurate coz she lost her long-term memory not short-term**

B) Lucy cannot form-new long-term memories

C) Memories that Lucy forms each day are wiped out during her sleep[vote for it]

D) A & C are both inaccurate

What did the "multi-stick" problem reveal about the chimpanzee?

**A) Animals are able to plan, use tools, and solve simple problems right from the lecture notes "increasing length are arranged between the cage and the desired goal or object...animals are capable of planning, tool use, and simple problem solving"**

B) Chimps are very intuitive

C) They are aware of algorithms

D) They could not understand the simplest of tasks

E) The chimp was already trained to do the task

A century ago, leading causes of death were infectious diseases such as influenza, tuberculosis, polio, typhoid fever, etc. Today 7 to 10 leading causes of death are related to...

- A) Psychology experiments
- B) Mental disorders
- C) Type A personalities
- D) Personal habits and lifestyles (right from the notes !! (This was taken straight from the notes: - A century ago leading causes of death were infectious diseases such as influenza, tuberculosis, polio, typhoid fever, etc...today 7 of 10 leading causes of death are related to personal habits and lifestyles)
- E) None of the above

Below are several statements about intelligence. All statements are true EXCEPT...

- A) "Forget me Not Panties" was the winner of a creativity contest [because this makes no sense <http://www.pantyraders.org/forgetmenotpanties/> LOL]
- B) Mildly retarded individuals are not always easily distinguished from the rest of the population. thats true
- C) Gifted people are more likely to have emotional problems than those of average intelligence ( it clearly says in the notes that gifted people have more emotional problems)
- D) 90% of retarded individuals are in the mild category (IQ between 55 and 70) that true

Which statement about stereotypes is most correct?

- A) Stereotypes save effort and energy by simplifying our social world [is this one correct? votes needed]
- B) Our stereotypes are easily changed by new information that differs from our initial perceptions.
- C) Stereotypes improve the accuracy of our perceptions
- D) Stereotypes involve the creation of new schemas that reflect people's diversity
- E) All statement above are correct

What is NOT CORRECT in regards to the personal space bubble?

- A) When people move inside this bubble you become uncomfortable.
- B) In North America the average depth of the bubble is 2-3 feet.
- C) When intruded upon the body reacts by raising blood pressure and anxiety.
- D) Bubble may extend to driving and may explain some aspects of road rage
- E) NONE is INCORRECT...all of the above are CORRECT

Schizophrenia follows the "rules of fourths" when it comes to those being treated. Which of the following statements is not correct about the "rules of fourths"?

- A) One-fourth will be cured of schizophrenia permanently  
"rule of fourths"...one-fourth get well and stay well, one-fourth go on medication, do relatively well, and are able to live independently, one-fourth are well enough to live in a group home; and the final one-fourth stay do poorly and are usually institutionalized.
- B) One-fourth are well enough to live independently without medication
- C) One-fourth are well enough to live in a group home situation
- D) One-fourth do poorly and are institutionalized

At what age do infants begin specializing in speech sounds of their native language?

- A) 1-2 months
- B) 6-8 months
- C) 12-15 months
- D) 18-24 months

The immune system keeps us healthy by recognizing and destroying bacteria, viruses and tumours. Which statement about stress and the immune system is FALSE?

- A) Short-term stress actually “revs up” the immune system and is an adaptive response
- B) **The biological pathways that respond to stress include the liver, pancreas, and hippocampus**  
**[I trust this answer]**
- C) Chronic stressors beyond control are associated with harming the immune system
- D) Positive emotions and being happy lead to better immune functioning. **Happy people are more likely to engage in health-promoting behaviours and more likely to believe that they would be effective...positive emotions facilitate ability to cope with problems.**

Which of the following statements is FALSE about OCD (Obsessive-Compulsive Disorder)?

- A) A patient with OCD may feel compelled to wash their hands 100 times in a day.
- B) Some OCD's stem from the fear of being contaminated by germs.
- C) The film “The Aviator” illustrates a case of OCD where the patient chose to live in a small, dark, room.
- D) OCD sufferers may create ritual-like actions to protect themselves from an irrational fear.
- E) **The OCD patient is rarely even aware that s/he is displaying abnormal behaviour. [agree] { makes most sense }**

Michael May regained his sight at the age of forty after being blind for almost his whole life. Which statement is TRUE?

- A) After regaining his sight, the first thing he learned that same day was to recognize his wife face
- B) **May was able to detect motion and color, but had a difficult time identifying objects..Based on what i remember from lecture**
- C) He was a skilled skier and went even faster after he regained his vision
- D) He made a remarkable adjustment to being sighted within just two weeks after the operation
- E) All statements above are TRUE

Kanzi was tested with 300 odd or unusual demands (ex: “Put salt on the ball”), and responded correctly 298 of the times. Why were “unusual” instructions used in this case?

- A) This is what Kanzi had practiced before the test
- B) This would break a world record
- C) **This would be more convincing that Kanzi can truly understand language**  
**.....Kanzi was tested with 300 sentences she had never heard before and responded**

correctly 298 times (could not have been guided by non-verbal cues...Go the refrigerator and take out tomato...Put the grapes in the swimming poo..... to test knowledge of her language understanding..

- D) This would show how good Kanzi's memory is
- E) This would show Kanzi's grasp of morphemes and phonemes

Pigeons have been trained to distinguish impressionist works by Monet and cubist creations by Picasso achieving a success rate of 90 per cent. This shows that...

- A) Pigeons are able to think and reason much like people
- B) Pigeons have a highly developed cerebral cortex
- C) Disproves the Whorf hypothesis that thought is dependent on language
- D) Pigeons can learn complex behaviours if they are rewarded { WAS IN QUIZ } agree

American military personnel at Abu Ghraib prison in Iraq engaged in sadistic abuse of their Iraqi prisoners. Zimbardo who 30 years earlier had designed the Stanford Prison Experiment claimed that this behavior...

- A) Was due to a few bad apples
- B) Was exaggerated and hyped due to media attention
- C) Was the result of Post-traumatic Stress Disorder
- D) Was due to situational pressures that led average people to commit abusive acts
- E) Was due to a lack of adequate training and supervision

Which type of stress will lead to most damage to the immune system?

- A) Acute stressors of brief duration
- B) Chronic stressors that last for a long time [the immune system, The most chronic stressors – which are more beyond control and seem endless -- were associated with the most global suppression of immunity.
- C) Perceiving a stressor as a challenge to be overcome
- D) Stress associated with positive circumstances (such as winning a lottery)

Which statement about Fragile X is FALSE?

- Fragile X syndrome results from an X chromosome gene mutation (the chromosome may be brittle or broken into two or more pieces. Prevents the production of a particular protein (the Fragile X mental retardation protein, or FMRP). This condition is second only to Down syndrome as a genetic cause of mental retardation and recent research also suggests that it may contribute to infantile autism. About 75% of Fragile X males show some degree of mental retardation whereas a majority of females with Fragile X chromosome are either intellectually normal or display only mild cognitive impairment. Investigators have located the gene responsible for this abnormality.

- Without FMRP, neurons develop abnormally long and spindly dendritic spines, the little branchlike projections that receive inputs from synapses by other neurons. Thin spines are associated with weak connections — and communication — between neurons.

- Studies involving mice bred with the disorder have produced encouraging results. Human research studies may begin soon

- A) Results from an X chromosome gene mutation
- B) Prevents the production of the Fragile X mental retardation protein

C) Is a major genetic cause of mental retardation [ it cud be the answer as well ]

D) May be caused by damage to the suprachiasmatic nucleus [ 100% sure, I searched google and got this answer ] Good Job

With respect to obsessive-compulsive disorder, each of the following is a compulsion except...

- A) Repeatedly washing one's hands.
- B) Checking and rechecking the locks on doors.
- C) Touching a spot on one's shoulder over and over.
- D) Uncontrollable nightmares...

Intelligence is polygenic and so is influenced by many different genes. Modern techniques for scanning the genome can compare billions of DNA base pairs from many subjects very quickly. This will enable the DNA of very intelligent people to be compared with DNA taken from people of lower intelligence. What are we most likely to learn from such analyses?

- A) How to eliminate mental retardation
- B) Which genes contribute most to intelligence [ in lecture notes somewhere ] ya
- C) Genetic engineering to breed for intelligence
- D) The causes of trisomy 21

For years, scientists harvested the brains of exceptionally smart people, trying to locate the source of their intelligence. What did we learn about intelligence from these studies?

- A) Smart people have more neurons
- B) Smart people have more myelination
- C) Smart people have a highly developed corpus callosum
- D) All of the above differences were observed
- E) None of the above differences were observed

Chomsky proposed that children learn language swiftly:

- A) Because they possess an innate language acquisition device.
- B) Through imitation, reinforcement, and shaping.
- C) As the quality of their thought improves with age.
- D) Because they need to in order to get their increasingly complex
- E) Because prenatal experiences give the child a headstart.

The memory that allows a person to know that the chemical symbol for salt is NaCl, that dogs

have four legs, that  $3 \times 3$  equals 9, and refers to our general knowledge is known as...

A) Episodic memory

B) Semantic memory...

**Semantic Memory...refers to our general knowledge of the world and all of the facts we know. Semantic memory allows a person to know that the chemical symbol for salt is NaCl, that dogs have four legs, that  $3 \times 3$  equals 9, and thousands of other facts. Semantic memories are not tied to the particular time and place...in**

C) Explicit memory

D) Working memory

In an attempt to classify and assist with the diagnosis of psychological disorders, the American Psychiatric Association developed...

A) The Mental Measurement Yearbook.

B) The Multiaxial Diagnostic System

C) The Diagnostic and Statistical Manual of Mental Disorders...**Not sure. Just know this is right. I dont have any reference..i agree to this answer**

D) Roget's Psychological Thesaurus

One way to manage stress is through meditation. All of the statements below about meditation are true EXCEPT:

**Meditation effectively decreases arousal and anxiety...reduces heart rate, lowers oxygen consumption**

**Meditation shows qualities of both sleep and wakefulness...resembles the stage of sleep known as hypnagogia**

A) Resembles the stage of sleep known as hypnagogia.

B) Increases glucose consumption. **{ in lecture notes }**

C) Reduces heart rate.

D) Decreases arousal and anxiety.

Dr. Oliver Sacks, a neurologist, wrote a book including a story of a man who mistook his wife for a hat. This man was suffering from:

A) Split brain

B) Visual agnosia **{ thats true, search google }**

**"Some people are unable to recognize faces...form of visual agnosia called prosopagnosia (face blindness)."**

C) Blindness

D) Amnesia

E) Presbyopia

**Bilingual education continues to foster a great deal of controversy. Which of the following is FALSE?**

A) When children learn two languages, it slows down cognitive development.

B) Language learning is more effective when it begins at younger age.

C) Bilingual Canadian children perform better than unilingual children on verbal/nonverbal tests of intelligence

D) Ability to pronounce a second language with the correct accent decreases after age 12

Forgetting is probably due to several possible factors. Which answer below is LEAST LIKELY to explain why we may have trouble remembering certain things?

A) We forget because other information gets in the way of what we want to recall (retrieval failure)

B) We forget because the neurochemical "memory trace" that is formed tends to disintegrate over time

C) We forget because of Freud's veil of amnesia (repression of unpleasant information by the superego) { common not everyone has amnesia }

D) We forget because certain information has actually failed to enter our long-term memory (encoding failure)

When the eye views an object physical energy detected by the receptor cells is converted into electrochemical impulse. Which of the following processes is this an example of?

A) Transduction { when ever something is changed into enregy, process is called tranduction } Agree repeted above . just asked differently

B) Bottom up processing

C) Tympanic processing

D) Parallel processing

E) Opponents process theory

When in groups a number of NEGATIVE results may occur. Which of the following is NOT a negative result of group behaviour?

A) Groupthink Groupthink...involves impaired decision making and avoidance of realistic appraisal to maintain group harmony

B) The halo effect [ all others are negative, so this shd be the answer..common sense]

C) Deindividuation Deindividuation occurs when the presence of a group results in the loss of personal identity and a decrease in personal responsibility

D) Social loafing Social loafing is the tendency to exert less effort in a group because of reduced accountability for individual effort

What essential element promotes success of the therapeutic relationship?

A) Therapist must have many years of experience

B) Patient must have confidence and trust in the therapist [lecture notes]

C) Therapist must have credentials from a respected school

D) Triangulation is key to therapeutic relationship

Former world chess champion Kasparov was beaten by Deep Blue, IBM's chess-playing computer. Which of the following statements is MOST CORRECT?-

- A) That Deep Blue is more intelligent than most "smart" people
- B) That Deep Blue was programmed to act and think like a human
- C) That Deep Blue was very good at imitating human reasoning
- D) That Deep Blue can analyze millions of chess positions every second [right from notes]
- E) All of the above statements are TRUE

The ideal way to develop medications for mental illnesses is to first understand the process in which a disorder develops, and then create a drug which will change that process. The problem with this process is

- A) Many drugs are placed on the market before they are guaranteed to be completely safe.
- B) We do not fully understand the biochemical processes that account for most psychological disorders. 'In reality, we don't understand the chemical processes that account for most psychological disorders']Right from the notes
- C) The testing of the drug is often clouded by the drug companies themselves.
- D) The testing of the drug is often carried out on not a large enough cross section of people.

This disorder results from stroke or damage to a language centre in the brain. The symptoms of this disorder include difficulty in ability to speak, write, read, and comprehend the spoken language...what disorder is this?

- A) Stuttering
- B) Aphasia
- C) Williams Syndrome
- D) Retardation
- E) Flynn Effect

In the movie Memento, Leonard Shelby is a man who seeks revenge for the rape and murder of his wife. One complication with this plan—Leonard suffered a head injury from a scuffle with his wife's killers and has lost the ability to make new memories. As Leonard explains in the movie, "If I talk to you for too long, I probably won't remember who you are or even why I started talking to you in the first place." To compensate, Leonard is constantly taking Polaroid pictures of people he meets and places he goes and writing messages on the pictures. Important facts, such as information about the crime, he has tattooed all over his body. Three of the statements below describe elements of the movie that are unrealistic. Which is the only aspect of the movie described below that is realistic or reasonable?

- A) Leonard is totally aware of what his disorder is, how he got it and what its symptoms are
- B) Leonard maintains his intelligence, his ability to reason, and basic skills such ability to drive car
- C) Leonard is quite functional and independent as he pursues his wife's killer
- D) Leonard can remember where he parks his car, finds Natalie's address and drives to her house

Craniometry was the measurement of skull volume and its relation to intellectual faculties. The conclusion of this line of research more than 100 years ago was that....

- A) Skull or brain size has no connection to intelligence
- B) Criminals had especially small brains and limited intelligence
- C) Personality traits can be identified by bumps on the skull
- D) Men were more intelligent because they had larger brains - Broca's Craniometry...the measurement of skull volume and its relation to intellectual faculties, Men were more intelligent because they had larger brains
- E) Monkeys and people had the same skull size and so were equally intelligent

There are four different types of schizophrenia. While schizophrenics are not dangerous as a class, which type has the most potential for violence?

- A) Disorganized schizophrenia
  - B) Catatonic schizophrenia
  - C) Paranoid schizophrenia { prof. has told many stories, like murder in bus and etc., all were paranoid }
  - D) Undifferentiated schizophrenia
  - E) All have equal potential for violence
- "While schizophrenics are not dangerous as a class of mental patients, paranoid schizophrenics often retain enough of a planning function to plan and carry out crimes, usually spectacular ones."

People in a mob may lose their inhibitions because they see themselves as anonymous and so have decreased responsibility. This psychological process is known as...

- A) Deindividuation { in notes 100% correct }
- B) Groupthink
- C) Dissociative disorder
- D) Risky shift

In the movie "The Bourne identity", Jason Bourne has a case of dissociative amnesia. What has he forgotten?

- A) Has forgotten everything and must re-learn as a baby would
- B) He has forgotten details of his personal life but retains life skills like knowledge of several languages {seen the movie so thats enough }
- C) He has lost his short-term memory but retains long-term memory
- D) He has lost the ability to transfer memories from short-term to long-term
- E) He cannot remember details of the traumatic episode but can remember everything else

If you were talking to a friend and describing your first kiss, which happened years ago, you

would be relying on which type of memory for this information?

- A) Sensory memory
- B) Episodic memory {verify it}agree. based on my semantic memory
- C) Procedural memory
- D) Semantic memory
- E) Pseudo-memories

Some schizophrenics are prone to hallucinations. Which statement is FALSE?

- A) The most common hallucinations are auditory (voices)...this is true
- B) Hallucinations seem perfectly real to the patient...true too
- C) Are usually negative experiences ( threatening or frightening)...THIS IS ALSO TRUE
- D) Occur when the schizophrenic is in a hypnotic state called hypnagogia. **“ that in meditation not schizo “ ...SO THIS MUST BE FALSE**

**“We walked down the path to the well-house, attracted by the fragrance of the honeysuckle with which it was covered. Someone was drawing water and my teacher placed my hand under the spout. As the cool stream gushed over one hand she spelled into the other the word water, first slowly, then rapidly. I stood still, my whole attention fixed upon the motions of her fingers. Suddenly I felt a misty consciousness as of something forgotten--a thrill of returning thought; and somehow the mystery of language was revealed to me. I knew then that "w-a-t-e-r" meant the wonderful cool something that was flowing over my hand.”**

The above statement is a description of the discovery of language by...

- A) The poet Emily Dickenson
- B) Helen Keller (deafblind author, activist, and lecturer)
- C) Noted autistic Temple Grandin
- D) Genie (who had been locked in a room until 13 years of age)

Feature detectors are specialized neurons in the cortex that...

- A) Identify whether an object small or large, near or far.
- B) Take the upside image from the retina and reverse the features so we see the world correctly.
- C) Discriminate one face from another.
- D) **Recognize particular lines, shapes or patterns.**

Which of the following statements about aggression is NOT correct?

- A) Children who watch more violence on TV are more aggressive and also do more poorly in school

- B) Males are more aggressive in every culture and also in animal and human species
- C) Children who get spanked tend to become less aggressive { opposite is true ,from lecture notes} YA
- D) Aggression is largely due to both biological and cultural differences

The two basic photoreceptors contained in the retina are called

- A) Rods and cones. { because we know this }
- B) Horizontal and vertical shifters.
- C) Chromes and radicals.
- D) Fissures and convolutions.
- E) Afferent and efferent neuron

What is the best predictor of whether or not a person will get schizophrenia?

- A) Having a close relative who has schizophrenia. SAID IN CLASS
- B) If the newborn has a very low birth weight
- C) Children raised in a punitive family environment
- D) A defect on chromosome 12 leads to schizophrenia 50% of the time
- E) A combination of several high risk factors during prenatal development (e.g., poor nutrition)

Fight or Flight: This response stimulates the sympathetic nervous system to prepare the body to meet a stress situation. Which of the following is FALSE:

- A) If the body is digesting food, that is stopped immediately
- B) Hormones including adrenaline prepare the body for action
- C) Your breathing becomes faster to increase oxygen
- D) Heart rate slows down in order to conserve energy ( In lecture notes: heart rate always goes up in fight or flight situation)
- E) Glucose is released into the bloodstream as fuel

What is the main focus of Beck's cognitive therapy?

- A) Aims to release the patient's anger and is often quite confrontational
- B) Errors in thinking are replaced by more logical thought processes  
Psychological problems arise when people think illogically about themselves (I am worthless), the world they live in, and the future (Things are never going to get better). The goal is to help the individual recognize and eliminate self-defeating thoughts and beliefs.
- C) Combination of changing thoughts and behaviours
- D) Uses systematic desensitization to promote positive thinking

\*\*Animal language is NOT considered productive or generative because...

- A) The average person cannot understand its meaning
- B) There are no written words to describe thoughts
- C) The communication is quite limited and the sounds cannot be put together in complicated ways [ some examples are given in lecture notes, so 100% correct ]
- D) Animals don't have the needed vocal apparatus to make understandable sounds
- E) They are only able to use sign language

While studying for a test, you process the information in terms of its meaning, and you associate the new information with information that you have learned in other classes. This is an example of ...

- A) Parallel processing
- B) Elaborative rehearsal... **BASED ON MY SEMANTIC MEMORY**
- C) Shallow processing
- D) Maintenance rehearsal

In Asch's conformity experiment, participants were asked to pick which line was the longest. When others in the group INCORRECTLY chose the shorter line as correct, people tended to...

- A) Go along with the rest of the group even though the answer was clearly wrong [ agrees, its called "conformity" ]
- B) Choose the correct answer even though no one else did
- C) Choose the correct line if at least one other person had already chosen the correct answer
- D) Tried to persuade all the other "participants" that they were mistaken
- E) Both A and C are correct

When looking at a diagram of three groups of broken circles (as shown), most people will see a triangle even though there is no triangle drawn in to see. What did Gestalt psychologists conclude about this phenomenon?

- A) Our brain has a powerful tendency to form meaningful patterns [ was in quiz, its called gestalt psychology ] agree 100% true
- B) That our eyes will often fool us
- C) That our brain cannot be easily fooled by illusions
- D) That our unconscious mind is stronger than the conscious mind

Which of the following statements about PTSD is FALSE?

- A) Ordinary events can serve as reminders of trauma and trigger flashbacks
- B) PTSD symptoms always begin almost immediately after the trauma (within days) [ i think i read or heard this before, 100% he gave one example of a soldier in class ]

- C) Not everyone exposed to the same traumatic events develops PTSD
- D) Sexual abuse and assault victims are considered by some to be the single largest group of sufferers

A patient in a psychiatric hospital who is receiving medication to control the hallucinations and delusions associated with paranoid schizophrenia is taking an ...

- A) Antianxiety drug
- B) Antidepressant drug
- C) Antipsychotic drug... [ very obvious, agree ]
- D) Anticonvulsive drug

Which statement about the effectiveness of antidepressants is TRUE?

- A) Improvement usually occurs within one or two days
- B) Some people may respond to one class of antidepressant but not another
- C) Antidepressant drugs have been effective in treating about 90% of patients
- D) For each patient diagnosed with severe depression, we know which medication will be most effective

Mindball is a device that monitors the brain waves of you and a competitor on the other side of the table. The more relaxed you are the more you can control the ball and defeat your opponent.

- A) Mindball is a form of brainwashing
  - B) Mindball is a form of transcendental meditation
  - C) Mindball is a form of cognitive therapy
  - D) Mindball is a form of biofeedback training
- "Mindball as example of biofeedback" ...right from notes..ok agree

In 1966 Charles Whitman killed 15 people at the University of Texas. The autopsy revealed that he had a tumor in the brain. What was the neurobiological factor involved?

- A) The tumor triggered our self-destructive instinct
- B) The tumor triggered an uptake of serotonin resulting in vicious behavior
- C) The tumor cut off the uptake of dopamine to the brain
- D) The tumor stimulated the lower limbic system which can result in vicious behavior [ search wikipedia, i saw this in lecture notes aswell ]

The following statements describe Francis Galton's work related to intelligence. Which

statement is FALSE?

- A) He was the first to focus on the nature vs nurture dichotomy wrong!!!
- B) He discovered a way to measure intelligence directly
- C) He was influenced by Darwin's theory of evolution
- D) He studied twins to look at heritability of intelligence- correctt

**“Francis Galton (1822–1911), who developed the phrase “nature versus nurture”**

Which of the following receptors has the highest threshold for responding (in other words, is less sensitive)?

- A) Temperature
- B) Pain
- C) Touch
- D) They're all equal

**“receptors...pain has higher threshold for responding than receptors for touch and temperature.”**

What process tends to maintain harmony and unanimity during group decision making while suffocating differences of opinions?

- A) Deindividuation
- B) Stereotypic thinking
- C) Social facilitation
- D) Groupthink **Groupthink...involves impaired decision making and avoidance of realistic appraisal to maintain group harmony...**

The hammer, anvil, and stirrup are parts of the ...

- A) Trichromatic theory
- B) Mitchell's bionic arm
- C) Inner ear **{ i just remember this }**
- D) Kinesthetic senses
- E) Visual system

In class we discussed the killing of Tim Maclean on the Greyhound bus en route from Edmonton to Winnipeg. The psychiatrist said that Vincent Li performed the attack because God's voice told him McLean was a force of evil and was about to execute him. The presiding judge accepted the diagnosis, and ruled that Li was not criminally responsible for the murder. Vincent Li was diagnosed as...

- A) Having dissociative identity disorder
- B) Having anterograde amnesia
- C) Being a paranoid schizophrenic **{ proff. told us }**
- D) Having generalized anxiety disorder

Darwin's theory of evolution was a major breakthrough for psychologists, but Darwin's cousin Galton was the individual who proposed the phrase "nature vs. nurture." Nature vs. nurture refers to which of the following in terms of intelligence?

- A) **Genetics vs. environment { needs to confirm }correctttt!!**
- B) Cognitive vs behavioural approach
- C) Intrinsic vs extrinsic motivation
- D) Machines vs human information processing
- E) The mind-body problem

According to information in the notes (see chart, people are least likely to seek treatment for which of the following disorders?

- A) Bipolar disorder
- B) Major depression
- C) **Phobia disorder { see the chart }**
- D) Panic disorder
- E) Obsessive compulsive disorder

Systematic desensitization is a technique used to reduce phobias that involves...

- A) Telling phobic people that they are being irrational
- B) Assuring phobic people that their fears are legitimate
- C) **Exposing phobic people gradually to feared stimuli while they stay calm and relaxed { in lecture notes, phobic people go thru series of steps and try to be clam..and relaxed }**
- D) Ensuring that phobic people will never have to encounter their fear

You are at a bar when you suddenly recognize a friend from across the crowded room. In order for this to occur, the "what" and "where" pathways are used simultaneously to process the information about your friend and to unify the information into a complete picture. This is an example of...

- A) Transduction
- B) Bottom up processing
- C) Tympanic processing
- D) **Parallel processing {given in lecture notes}**
- E) Opponents process theory

What is the most common non-genetic cause of mental retardation in North America?

- A) Poor prenatal nutrition
- B) PKU
- C) Low birth weight
- D) Anoxia
- E) **Fetal alcohol syndrome in lecture notes - It is the most common known non-genetic (non-inherited) cause of mental retardation in North America.**

When we saw the short video of a schizophrenic patient, we noticed that...

- A) She remained quite immobile refusing to speak
- B) She became agitated and aggressive towards the interviewer
- C) The things she was saying were disorganized and didn't make a lot of sense [i know this]
- D) She spoke in telegraphic speech ...short phrases of one or two words only

\_\_\_\_\_ can occur when short term memory is filled to capacity and an incoming item pushes out an existing item which is then forgotten.

- A) Displacement [saw / heard it before].....sure
- B) Temporary amnesia
- C) Senility
- D) Interruption

Which of the following sounds would be the easiest to localize (determine where it is coming from)?

- A) One directly in front of you
- B) One directly above your head
- C) One directly behind you
- D) One directly to your left { because slight different noise in left and right ear this is called sound localization given i n lecture notes }

We believe that infants are biologically prepared to learn language for several reasons. Which of the following does NOT support a biological basis for language acquisition?

- A) Because children in all cultures learn language by going through very similar stages of development.
- B) Because there are hundreds of different languages experience an environment must play a role.
- C) Because Broca's & Wernicke's areas of the brain are specialized for language.
- D) There is a critical period between 18 months and puberty when a first language must be learned.

Jane is very competitive, hard driven, has little to no patience, and in many situations is hostile. She is considered to have a type A personality factor. This puts Jane at risk for health problems like. . .

- A) Obesity and diabetes

- B) Pneumonia and asthma
- C) Arthritis and osteoporosis
- D) Heart disease and heart attacks

The fluid-filled, spiral structure of the inner ear is called the...

- A) Hair cell.
- B) Eardrum.
- C) Cochlea. {if its spiral thn it has to be cochlea } [also a quiz question ]
- D) Oval window.

Studies show that people with a(n) \_\_\_\_\_ had three times as many heart attacks.

- A) Angry disposition
- B) Fight versus flight response
- C) Angry temperament

"investigators found an elevated incidence of heart attacks among participants who exhibited an angry temperament."

- D) Overeating disorder
- E) None of the above

Although the drug Lithium is effective in treating Bipolar Disorder, it needs to be closely monitored when patients take it because....

- A) The effective dosage is almost toxic

Lithium is widely used to treat bipolar disorders...even out the moods of patients and reduce the number and severity of episodes of both mania and depression... and must be closely monitored because the effective dosage is very close to toxic levels

- B) It can induce epileptic seizures
- C) The drug can cause massive weight gain, often resulting in diabetes
- D) The drug can react violently with certain common foods

Which statement about phobic disorder is FALSE?

- A) Phobia is overwhelming fear associated with a specific object or situation
- B) Biological contributors to phobic disorders may include the thalamus and amygdala
- C) People with phobic disorders view their fears as being very rational and reasonable
- D) Phobias may be due to classical conditioning and observational learning { because phobias are triggered by incidents not conditioning ,proff. told us }

The \_\_\_\_\_ acts as a relay station for sensory messages on their way to the cortex (vision, hearing, taste, and touch). Thus even a small injury in this area can cause deafness, blindness, or loss of other senses.

- A) Sensory cortex
- B) Corpus callosum
- C) Cerebrum
- D) Thalamus [ we know this that's it! ]**
- E) Pituitary gland

During the Vietnam War, American forces attacked a village believed to be a Viet Cong stronghold. Instead of finding the enemy, the troops found unarmed civilians. The soldiers began shooting indiscriminately and 500 people were slaughtered including women, babies, old men. Which statement below is FALSE?

- A) Hugh Thompson resisted orders of officers and did not follow the actions of other soldiers
- B) In the aftermath of the massacre, the soldiers on the scene made an effort to cover up the killings, " right from the lecture notes ... the aftermath of the massacre, the soldiers on the scene made an effort to cover up the killings, minimizing the number of civilian casualties to a couple dozen. Thompson eventually testified in the My Lai massacre trials ..."**
- C) Thompson eventually testified in the My Lai massacre trials that followed
- D) Hugh Thompson was welcomed home by the media as an American hero-- correct!!! asking what is FLASE

Which is NOT a property of rods?

- A) Receptors for black and white
- B) Found mainly on outer area of retina
- C) Works very hard at night { not sure }
- D) Located in the optic chiasm { everything else is true, so this one has to be false }**

What is the primary factor in determining which information from sensory memory moves on for further processing?

- A) Iconic imagery
- B) Attention { if we focus our attention then its processed otherwise not, makes sense to me }**
- C) Storage capacity
- D) Elaborative rehearsal
- E) Recognition

Each of the following is considered an Anxiety Disorder EXCEPT:

- A) Panic Disorder

- B) Obsessive-Compulsive Disorder
- C) Bipolar Disorder { it includes mania stage as well }
- D) Post-traumatic Stress Disorder

People who suffer from schizophrenia and people who suffer from Parkinson's disease both have either an imbalance or a loss of this substance...

- A) Nor epinephrine
- B) Dopamine [PROF SAID...IF U SEE DOPAMINE ANYWHERE SELECT THAT]
- C) Serotonin
- D) Prozac
- E) Morphine

Which of the following is true about psychological disorders?

- A) People with psychological disorders are often violent or dangerous
- B) Once diagnosed, a person can never be cured of a mental disorder
- C) Abnormal behavior is always bizarre
- D) Disorders can be influenced by biological, psychological, and sociocultural factors { makes sense, i agree }
- E) All the above statement are TRUE

Considering those people who are classified as mentally retarded...

- A) About 90% will eventually recover from the condition
- B) About 90% are cultural-familial form of retardation
- C) About 90% are males
- D) About 90% are in the mild range "lecture notes, directly from there "

"I was just following orders." That was the essence of Adolf Eichmann's defense when he was tried for his war crimes, which included masterminding the Nazis' attempted extermination of European Jews. According to Milgram's research...

- A) Some people like serial killers are born evil and cannot be reformed
- B) Most people may be pressured to commit evil acts that hurt others "lecture notes, same lines "
- C) Fewer than 1% of the population will follow through with hurting others
- D) When genetic factors overpower situational factors, evil acts may occur

A man is more likely than a woman to be born with colour blindness because...

- A) Of trauma to the optic nerve
- B) He has a defective Y chromosome from his father

- C) He has a defective X chromosome from his mother [ because father can't have y, males = xx and females = xy ]
- D) He has two recessive genes from his mother and father
- E) He has a malfunction in the optic chiasm

\_\_\_\_\_ are created during times of personal tragedy or other emotionally significant events

- A) Unconscious memories
- B) Explicit memories
- C) Flashbulb memories
- D) Working memories
- E) Obsessive memories

When looking at the intelligence of adopted children what do we find?

- A) They are correlated only with the adoptive family
- B) They are correlated only with their biological family { proff. mentioned it many times }
- C) They are correlated equally with the adoptive and biological family
- D) There is little correlation with the adoptive or biological family

Which of the following does NOT belong in Carl Rogers person-centered therapy?

- A) Direction and control by therapist
- B) Empathy and active listening
- C) Unconditional positive regard
- D) Patient insight and self-reflection

When a person is suffering from an anxiety disorder they are most commonly prescribed a \_\_\_\_\_ for treatment of the disorder.

- A) Tricyclic
- B) SSRI (selective serotonin reuptake inhibitor)
- C) Benzodiazepine { just remember this, 100% correct }
- D) Neuroleptic

Bandura did some early research where children observed a model being aggressive towards

someone else. Later the behaviour of these children was observed during play sessions. What implications might this research have for the use of spanking by parents?

- A) The more children are spanked the more they will listen to their mothers
- B) The more children are spanked the more they will imitate this aggressive behavior { because it's 100% right }**
- C) The more children are spanked the less they will engage in aggressive behavior
- D) Spanking should be used only for boys and not for girls' misbehavior

Einstein the parrot was able to say many different words including referring to himself as a "Superstar". How can this best be explained?

- A) Einstein was a super-intelligent parrot about as smart as five-year old child
- B) Einstein had mastered speech in the same way a child learns language
- C) Einstein learned to speak words in small steps through reinforcement (reward)
- D) Einstein had a brain injury which led to the re-wiring of his brain and special abilities

In regards to positive emotions and health, it has been documented that positive emotions are linked to the release of what substance that plays a role in the early immune reaction to viruses and bacteria?

- A) Hemoglobin.
- B) Cortisol.
- C) Immunoglobulin A. { given in lecture notes, 100% right }**
- D) Lymphocytes.

Perception depends heavily on the selection of sensory input or in other words, what people focus their attention on. A visual scene may contain many objects, some may capture our attention and others not. In one video a man and woman showed us a card trick but as we carefully watched the cards, most of us did not notice...

- A) The cards were actually all the same colour and not black and red as in a normal deck
- B) The man and woman changed their shirts to a different colour { selective attention }**
- C) The man that started the trick was different from the man who finished it
- D) People in the background throwing pies at each other

There are some people born without the sense of pain because their nervous systems are not equipped to detect painful information. The following statements are true EXCEPT for?

- A) Without ability to detect painful events, you would continue to cause injury to yourself.
- B) Pain acts as a warning system that protects you.
- C) If you have your hand on a hot stove, pain tells you to stop touching the stove and remove

your hand.

D) Feeling no pain enhances your other senses { makes no sense, 100% wrong, so this option 100% correct }

E) If you broke a bone in your arm, you might continue using the arm because it did not hurt

\_\_\_\_\_ can involve the senses being mixed up. The most common symptom of this disorder occurs when someone always sees a certain color in response to a certain letter of the alphabet or number.

A) Parallel processing

B) Visual agnosia

C) Stereopsis

D) Retinal disparity

E) Synesthesia { trust me, its just right }

Which statement about stress is FALSE?

A) Chronic emotional stress is associated with high blood pressure

B) Most stomach ulcers and gastritis are caused by stress [ we just did that question before ]

C) Persons with hostility have higher elevations of stress hormones

D) The fight-or-flight response is a physiological reaction to stress or threat

E) Stress is a major contributor to cardiovascular disease

In one test, 6 to 12 month old infants are placed in the middle of a flat table so they can have a choice of crawling to the shallow side or the deep side. Most infants choose the shallow side; in fact most infants refuse the deep side even when their mother is calling them. This is due to...

A) Separation anxiety

B) Depth perception [ was oin quiz ]

C) Contact comfort

D) Egocentrism

E) Visual immaturity

In the early 50's and 60's Dr. Ewan Cameron, founder and director of the Allen Institute in Montreal became a significant figure in the field of psychology. Which of the following did he NOT do?

A) Obtain consent from all of his patients

B) Receive funding from the C.I.A. (Central Intelligence Agency – USA)

- C) Expose patients to massive doses of shock therapy
- D) His treatments caused some patients to lose much of their episodic memory
- E) Use LSD, hours of tape recordings, and sensory deprivation in his experimental treatments

Which of the following statements about aggression is FALSE?

- A) There appears to be a genetic link to aggression.
- B) There is an “aggressiveness centre” in the hypothalamus of the brain [ no where in lecture notes ]
- C) Alcohol, which suppresses our inhibitions, has been strongly linked to aggression
- D) Neurotransmitters such as serotonin are linked to aggression

Which statement about language acquisition is FALSE?

- A) Language acquisition starts before birth.
- B) At 9 or 10 months babbling may involve repeating syllables on and on (e.g., bah-bah-bah-bah-bah-bah)
- C) Between 11 and 13 months, babies utter their first words... dada...ball...cat
- D) “Give me the ball” is an example of telegraphic speech (certain words are left out)

Which of the following statements about the memory is FALSE?

- A) Gaps in memory may be filled with logic, guessing, and new information
- B) It is easy to have memories of things that never happened
- C) Memory is like a video recorder capturing every aspect of an experience as it occurs
- D) Updating one’s memory is also referred to as constructive processing

Which of the following statements about treatment of schizophrenia with neuroleptics is FALSE?

- A) They are toxic and produce tardive dyskinesia
- B) They reduce hallucinations and delusions
- C) They provide the only know permanent cure for schizophrenia
- D) They block dopamine activity in the brain

What is so different about how the image of objects appears on the retina?

- A) The retina views things upside down but the brain changes the image to right side up.
- B) The retina views in black and white but the brain adds in the colour.
- C) The retina can only see objects far away but the brain clarifies near objects.
- D) The retina can only see objects up close but the brain clarifies far objects.

In Asch's conformity experiment, participants were asked to pick which line was the longest. When others in the group chose the shorter line as correct, people tended to...

- A) Go along with the rest of the group even though the answer was clearly wrong
- B) Choose the correct answer even though no one else did
- C) Choose the correct line if at least one other person had already chosen the correct answer
- D) Tried to persuade all the other "participants" that they were mistaken
- E) Both A and C are correct

The primary factor in determining which information from sensory memory moves on for further processing is...

- A) Whether the information is iconic (visual) or echoic (auditory)
- B) The strength of the incoming sensory signal
- C) Whether or not we focus our attention on the information
- D) All information has approximately equal chance of moving on for further processing

Which of the following statements about aggression is NOT correct?

- A) Children who watch more violence on TV are more aggressive
- B) Males are more aggressive in every culture and also in animal and human species
- C) Children who get spanked tend to become less aggressive
- D) Aggression is due to both biological and cultural differences

Which of the following would best describe a situation involving the use of your semantic memory?

- A) Remembering how to ride a bicycle.
- B) Trying to push an embarrassing memory out of you awareness.
- C) The conditioned response of knowing that when the school bell rings, your class is over for the day.

D) Knowing that  $9 \times 3$  equals 27. Semantic Memory...refers to our general knowledge of the world and all of the facts we know. Semantic memory allows a person to know that the chemical symbol

**for salt is NaCl, that dogs have four legs, that  $3 \times 3$  equals 9, and thousands of other facts. Semantic memories are not tied to the particular time and place...in**

In the field of intelligence, what is the main reason why researchers often conduct studies of twins?

- A) To look at the effects of pre-natal experience on intelligence
- B) To study Whorf's linguistic hypothesis (language affects thought)
- C) To determine how much of intelligence is hereditary and how much is due to environment**
- D) To look at the developmental changes in intelligence across the lifespan

Professor Fiore is watching T.V in his living room when the power goes out. He gets up from the couch and tries to make his way to the kitchen where he keeps a flashlight. It is pitch black and he can hardly see a thing but he continues on. What part of the eye is working the hardest?

- A) The Cones
- B) The Pupil
- C) The Iris
- D) The Rods**
- E) The Cornea

What is one major risk factor for Down Syndrome?

- A) Exposure to rubella
- B) Exposure to smoking during pregnancy
- C) Older maternal age [ was in quiz ]**
- D) Poor prenatal nutrition
- E) Maternal drug use during pregnancy

\_\_\_\_\_ is one of the most serious psychological disorders. Characteristics of this disorder include incoherent speech, delusions, hallucinations or catatonic behaviour

- A) Alzheimer's
- B) Dissociative amnesia
- C) Bipolar disorder
- D) Depression
- E) Schizophrenia**

The characteristic most closely associated with coronary disease is...

A) Hostility or anger

**Type A characteristic most associated with coronary disease is hostility. For example, in one study of almost 13,000 men and women who had no prior history of heart disease (Williams et al., 2000), investigators found an elevated incidence of heart attacks among participants who exhibited an angry temperament.**

B) Anxiety.

C) Self-denial

D) Being too relaxed and easygoing

E) Fear of failure

In the case study of Mr. P., The Man who Mistook His Wife for a Hat...which statement is FALSE?

A) Mr. P. really did try to pull off his wife's head because he thought it was a hat(!)

B) Mr. P. failed to recognize people he had known for many years

C) Mr. P. became depressed over his disability and could no longer work

D) Mr. P. made adjustments to his life so that could continue to function adequately

Animals can be trained to do many things using simple rewards such as food. Which of the following experiments with pigeons did we see on the video in class?

A) Teaching pigeons to play video games

B) Teaching pigeons to play the piano with their beaks

C) Teaching pigeons to whistle the "Happy Birthday" song

D) Teaching pigeons to discriminate between paintings by Picasso and Monet

If you slowly wave your finger or a pencil in front of you while staring straight ahead, you will see a shadowy image that trails behind the object. This is a simple demonstration of ...

A) The operation of a false memory

B) The operation of short-term memory

C) The operation of sensory memory

D) The operation of flashbulb memory

In Post-traumatic Stress Disorder, a traumatic event is relived repeatedly through thoughts,

dreams or "flashbacks". Researchers are looking at which area of the brain as a possible cause of this disorder?

- A) Hypothalamus
- B) Thalamus
- C) Occipital lobe
- D) Basal ganglia
- E) Amygdala

The Retina is the primary mechanism of sight. Which of the following is the best description of the retina?

- A) The part that fine tunes the focus of the image by flexing its curvature (accommodation).
- B) The clear curved membrane just in front of the eye, covering the pupil and iris totally.
- C) The part that receives light from objects we see and converts this information into electrical impulses.
- D) The part that controls the amount of light entering the eye, either opening or closing to emit light.

In evaluating physical diseases, people can usually agree that a malfunctioning heart or kidney is pathological, regardless of their personal values. However, judgments about mental illness reflect prevailing cultural values, social trends, and political forces, as well as scientific knowledge. One example that used to be considered a disorder but now is not is...

- A) Substance abuse
- B) Anorexia
- C) Homosexuality
- D) Depression
- E) Adultery

Because a severely depressed person did not respond to any treatment during the past year, a team of therapists has decided that inducing a brain seizure is the only remaining alternative. Therefore, the patient will receive....

- A) Psychosurgery
- B) An antipsychotic drug
- C) Lithium overload
- D) Electroconvulsive therapy
- E) Aversion therapy

Hostility may be the crucial toxic element in Type A personality. Which of the following is FALSE?

- A) Hostility increases blood pressure and the risk of heart attack
- B) Hostility increases our sense of personal control and self-efficacy
- C) Hostility may raise testosterone levels, which decreases protective lipoproteins
- D) Hostility leads to higher levels of stress hormones and slower recovery from stress

Walter Freeman made lobotomy popular between 1935 and 1955. Which statement is FALSE?

- A) There was no clear evidence this procedure worked for most patients.
- B) Freeman travelled around in his own personal van, which he called his "lobotomobile".
- C) Patients often became docile after the procedure.
- D) Lobotomy was the first effective cure for schizophrenia

Which symptoms best describe what a person would experience if they were suffering from aphasia?

- A) Problems recognizing familiar symbols and or objects.
- B) A drastic change in one's personality.
- C) Problems understanding simple concepts that were once familiar.
- D) Difficulty speaking, writing, reading or understanding spoken language.
- E) Problems with the sensory area of the brain, resulting in loss of "feeling".

Following a severe brain injury K.C. was unable to consciously recollect anything that had ever happened to him but was able to remember many facts about things like geography and history. K.C. had lost his \_\_\_\_\_ while his \_\_\_\_\_ was preserved

- A) Long-term memory...short-term memory
- B) Semantic memory...episodic memory
- C) Episodic memory...semantic memory
- D) Retrospective memory...prospective memory

Where is the blind spot of the eye located?

- A) In the occipital lobe.
- B) At the fovea.
- C) At the part of the retina where the optic nerve leaves the retina.
- D) At the optic chiasm where pathways intersect.

A woman is more likely than a man to be diagnosed with...

- A) Depression. [ proff. told ]
- B) Antisocial personality disorder.

- C) Substance abuse.
- D) Alcoholism.
- E) All of the above

The term biofeedback refers to...

- A) Using probes for deep brain stimulation
- B) Monitoring performance of the heart using pacemakers
- C) A form of genetic testing that uses DNA extracted from the developing embryo
- D) Monitoring biological states like blood pressure or brain waves

Which of the following is FALSE about ECT (Electroconvulsive Therapy)?

- A) ECT can cause short term memory loss
- B) ECT causes a seizure in the brain
- C) ECT is no longer used today because of ethical concerns
- D) Some people have received hundreds of ECT treatments
- E) ECT has been approved by the American and Canadian psychological Associations

In class we saw a video of two people on a roller coaster ride. This was intended to demonstrate that...

- A) Physiological arousal is linked to emotions
- B) Two people may interpret the exact same experience as stressful or as enjoyable
- C) Some people can use meditation to control or reduce their arousal
- D) Fear cannot be controlled no matter how hard we try
- E) The amygdala overpowers the rational part of the brain

## Practice Questions for Psychology Exam (Winter 2011)

	Which of the following statements about early stimulation is <b>CORRECT</b> ?
A)	The Mozart effect showed that music is essential for brain development
B)	Rich environment & experience leads to the production of billions of neurons after birth
C)	Educational DVDs such as Baby Einstein are help to speed up brain development
D)	Early experiences are quickly forgotten and so have few lasting effects on brain's ability to learn
E)	None of the above statements is TRUE...all statements are FALSE
	H.M. had a severe case of epilepsy and underwent radical surgery in 1953 that involved removing the hippocampus and portions of the temporal lobe. He was 27 years old at the time. Which statement is <b>FALSE</b> ?
A)	Although he suffered memory loss his intelligence remained the same
B)	He could no longer form new memories
C)	He could not learn new skills such as riding a bike, playing tennis, or playing the piano
D)	For the rest of his life he awoke each morning believing it was 1953

	Irena remembers, "When I was eighteen, I travelled across Canada with my friends for the entire summer." This memory represents a(n)
A)	Implicit memory.
B)	Procedural memory.
C)	<b>Episodic memory.</b>
D)	Semantic memory.
E)	Flashbulb memory.
	If you accidentally step on a sharp tack, several things will happen very quickly as part of a reflex arc. Which statement below is <b>FALSE</b> ?
A)	<b>First, sensory receptors in your foot immediately send a message to the brain</b>
B)	The spinal cord quickly sends a message to contract muscles and lift foot
C)	This spinal reflex is automatic and requires no conscious effort
D)	<b>After lifting your foot, you sit down and check the injury to evaluate the damage</b>
	Following a severe brain injury K.C. was unable to transfer information from short-term to long-term memory. This made it difficult for him to take care of himself and carry out simple life skills. What strategy was used to help him to keep track of simple tasks and events in his life?
A)	Deep brain stimulation was used to enhance memory
B)	Surgery to remove the tumour interfering with his memory
C)	<b>A palm-pilot to keep track of daily information</b>
D)	He was given doses of a drug similar to what is used to control epileptic seizures
	In the romantic comedy <i>50 First Dates</i> , Adam Sandler falls for Lucy Whitmore (played by Drew Barrymore) after meeting her in a cafe one morning. The two hit it off, and arrange to meet again. The following day, Sandler returns to the café to meet her, but she claims to have no recollection of him. The owner of the café explains that Whitmore "lost her short-term memory" after a "terrible car accident". We also learn that she can form new memories during the day, which are then wiped clean during her sleep, so that she wakes up to a "clean slate" every morning. <b>Whitmore's condition does happen in real life but there were a few mistakes in the movie. If this accident happened in REAL LIFE, one of the following would be FALSE...which one?</b>
A)	Lucy Whitmore would still have full use of her short-term memory
B)	Lucy Whitmore would lose her ability to form long-term memories
C)	Lucy Whitmore would remember things from her life before the accident
D)	<b>Lucy Whitmore would form new memories in the day but they would disappear overnight</b>
	There is little purpose in trying to train young children to enhance their motor skills related to crawling or walking because such milestones tend to be governed by the child's readiness for learning. This readiness depends a lot on brain development, and especially...
A)	Number of neurons
B)	<b>Degree of myelination</b>
C)	Number of Schwann cells
D)	<b>Degree of encephalization</b>
	According to the activation-synthesis hypothesis, dreams occur because the brain is trying to

	A) Repair chemical damage done while awake.
	B) <b>Make sense of relatively random images produced in the brain stem.</b>
	C) Resolve leftover conflicts regarding unconscious motives.
	D) Disguise its own forbidden impulses from the neocortex.
13.	Which statement about schizophrenia is <b>FALSE</b> ?
	A) Usually emerges in adolescence or early adulthood
	B) Most common hallucinations are visual
	C) <b>The only known cure for schizophrenia is surgery (namely a frontal lobotomy)</b>
	D) May believe that their thoughts are being monitored or controlled
	E) Thinking becomes chaotic rather than logical and linear
	Which statement about REM sleep is most correct?
	A) <b>REM is less common in older people</b>
	B) If you can't remember your dreams, you missed your REM sleep
	C) <b>We go through a single REM cycle each night</b>
	D) REM occurs during the deepest stage of sleep
	Parents of deaf children often do not have hearing loss because ...
	A) Hearing loss is rarely genetic.
	B) The parents each have a dominant gene for deafness.
	C) <b>The parents each have a recessive gene for deafness.</b>
	D) The parents usually have cochlear implants.
	Huntington's disease is a dominant gene disorder. Which statement about Huntington's is <b>FALSE</b> ?
	A) A father who has the Huntington's gene will pass it on to half of his children
	B) <b>As a dominant disorder, it will affect males more than females</b>
	C) Symptoms of the disease usually start around age 40
	D) Huntington's is untreatable and incurable...always leads to death
	Dream sleep has acquired the abbreviated name REM sleep because
	A) Those are the initials of the woman who discovered it in 195
	B) REM is known as remote sleep.
	C) <b>REM is a shortened version of "rapid eye movement."</b>
	D) REM is the time when we "relive earlier memories."
	Wilder Penfield performed surgery on patients with severe epilepsy using only local anesthetic so they were awake and aware during the operation. Penfield discovered that for both b and _____ there is a point to point relation between a part of the body and...
	A) <b>Sensation and perception</b>
	B) Broca's and Wernicke's areas
	C) Left and right hemispheres
	D) <b>Motor and sensory areas</b>

E)	Frontal and occipital lobes
	The primary factor in determining which information from sensory memory moves on for further processing is...
A)	Whether the information is iconic (visual) or echoic (auditory)... iconic always gets priority for processing
B)	Whether the information moves on for more processing depends on the strength of the incoming sensory signal
C)	Whether or not we focus our attention on the information determines if it moves on for further processing
D)	All information has approximately equal chance of moving on for further processing
	What is the purpose of REM atonia (sleep paralysis)?
A)	To heal sore and overworked muscles
B)	To allow wish fulfillment through dreams
C)	To keep body from acting out our dreams
D)	To keep us from falling out of bed
	According to the idea of state-dependent memory, if you were upset and angry when you studied for a test, you would recall the information best if you took the test while you were...
A)	In a calm, neutral mood.
B)	Happy and relaxed.
C)	Upset and angry.
D)	Anxious and depressed.
	Which of the following statements about MRI or fMRI (magnetic resonance imaging) is FALSE?
A)	MRI creates a magnetic field around a person's body
B)	MRI can provide clear images of tumors of the brain and spinal cord and also detailed images of the heart
C)	Increased blood flow to the activated areas of the brain shows up on MRI scans
D)	During an MRI radioactive material may be injected into a vein, inhaled or swallowed by the patient
E)	MRI can determine which parts of the brain are activated by activities such as reading, seeing, or sound
	Michael May regained his sight at the age of forty after being blind for almost his whole life. Which statement is TRUE?
A)	May was able to detect some motion and color, but had a difficult time identifying complex objects
B)	After regaining his sight, the first thing he learned that same day was to recognize his wife face
C)	He was a skilled skier and went even faster after he regained his vision
D)	He made a remarkable adjustment to being sighted within just two weeks after the operation
E)	All statements above are TRUE
	There is dramatic increase in neuron connections observed in healthy children during the first 2

	years of life. What is the role of experience in this process?
A)	Experience plays no role; brain development is a purely biological process
B)	Appropriate stimulation during infancy facilitates brain development.
C)	Young infants cannot process much information and so experience plays a minimal role
D)	Experience and stimulation are important but only after the age of 5 when higher brain functions develop
	It is rare to find adults who have memories of events that happened to them before 2 ½ years of age. We are not exactly sure why this happens but what is one possible explanation?
A)	Hippocampus does not develop into a mature structure till age 3 or 4
B)	Self-awareness (separateness from the environment) does not develop in infants until about 2 years of age
C)	Infants retain memories of events during the day but these are lost at night when they sleep
D)	A & B both are TRUE
E)	All of the above are TRUE
	Older people often complain that their memory is getting worse. For example, they may not remember a phone number (647-8943) that someone just told them a few minutes earlier. Which explanation below is most CORRECT?
A)	Information in short-term memory is easily disrupted for almost everyone (young and old)
B)	There is an absence of neurogenesis in older people leading to memory loss
C)	Semantic networks of information arranged in hierarchies begin to degenerate as we get older
D)	The brain and memory of older people deteriorates due to disorders such as Alzheimer's disease
	Even for something as simple as picking up a glass of water, a complex array of information is required and yet we make such movements all the time without even thinking of them. Which area is NOT INVOLVED when you pick up a glass of water, take a drink, and then put it back on the table?
A)	Visual cortex
B)	Motor cortex
C)	Sensory cortex
D)	Cerebellum
E)	All of the above are involved
	Although memory is distributed throughout the brain, certain brain structures are more heavily involved in certain types of memory. The amygdala is most involved in which of the following?
A)	Emotional memories.
B)	Implicit memory.
C)	Explicit memory.
D)	Episodic memory.
	In Milgram's obedience study, participants assigned the role of "teacher" were to teach a series of nonsense syllables to a "student" who was a confederate. Whenever the student failed to answer correctly, the teacher was instructed to administer an electrical shock, starting small and increasing to 450 volts. What was the shocking conclusion of this study?
A)	Most participants refused to shock another human being.

B)	65% of the teachers were willing to shock their screaming student with 450 volts.
C)	Milgram was thrown out of the university for unethical practices.
D)	Many of the participants of this study still suffer PTSD (post-traumatic stress disorder)
	Jean Piaget believed that all children pass through a series of distinct stages in intellectual development. He was convinced that intellect grows through processes he called:
A)	Observation and imitation.
B)	Parenting and peer influences.
C)	Expansion and prompting.
D)	Assimilation and accommodation.
E)	Nature and nurture.
	What is the best predictor of whether or not a person will get schizophrenia?
A)	Having a close relative who has schizophrenia
B)	If the newborn has a very low birth weight
C)	Children raised in a punitive family environment
D)	A defect on chromosome 12 leads to schizophrenia 50% of the time
E)	A combination of several high risk factors during prenatal development (e.g., poor nutrition)
	Which statement about REM sleep is <b>FALSE</b> ?
A)	Most of our dreams occur during REM sleep
B)	During REM sleep the brain is quite active
C)	Sleepwalking and night terrors occur during periods of non-REM sleep
D)	REM rarely occurs during the deepest part of sleep (Stage 4)
E)	REM sleep (or dreaming) occurs only in humans and not other animals
	A beer commercial that contains mildly arousing sexual images (e.g., women in bikinis) is an example of...
A)	Taste aversion
B)	Male stupidity
C)	Subliminal seduction
D)	Sexual arousal
E)	Classical conditioning
	A researcher wants to determine if “sense of humour” is genetic or not and so he measures this characteristic in a large group of identical twins and also a group of fraternal twins. To conclude that genetics or heredity plays a role you would want to find that...
A)	Fraternal twins are more similar in sense of humour than identical twins
B)	That fraternal twins have a better sense of humour than identical twins
C)	Identical twins are more similar in sense of humour than fraternal twins
D)	That identical twins have a better sense of humour than fraternal twins
	Which type of addiction is believed to be passed on genetically, with up to 50% of its victims believed to be predispositioned to become an addict?
A)	Heroin

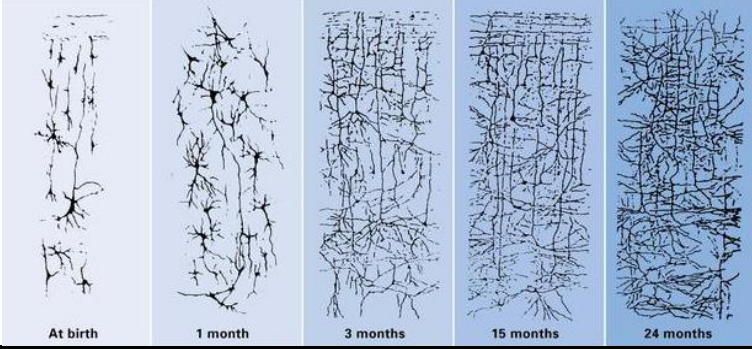
B)	Alcoholism
C)	Smoking
D)	Gambling
E)	Cocaine
The "Use it or Lose it" principle (also called pruning) refers to...	
A)	The ability of the brain to absorb the desired nutrients and expel the remains
B)	The brain's ability to get rid of neural connections which are of no use to it
C)	The brain's ability to decide what information is important, and which information is not
D)	The brain's ability to store important memories
There is dramatic increase in neuron connections observed in healthy children during the first 2 years of life. What is the role of experience in this process?	
A)	Experience plays no role; brain development is a purely biological process
B)	Experience and stimulation are important but only after the age of 5 when higher brain functions develop
C)	Young infants cannot process much information and so experience plays a minimal role
D)	Experience and stimulation will lead to an increase in brain development
As we age many people have trouble focusing on nearby objects. Why does this occur?	
A)	The number of retinal rods diminish with age
B)	Signals transmitted through the ganglion cells slow down as we age
C)	The deterioration of the rods at the back of the retina
D)	The lens in our eyes loses flexibility as we age
Gary complains of irresistible urges to fall asleep in the daytime. The sleeping spells last a few minutes each. You should suspect him of having	
A)	Insomnia.
B)	Narcolepsy.
C)	Sleep apnea.
D)	Sleepwalking episodes.
Before operating on patients who suffered from epilepsy, Penfield stimulated different parts of their brains with electrodes to locate the cells that set off their attacks. He could do this while the patients were awake, since the brain does not feel what is happening to it. He discovered that a sensory "map" of the body surface is created on a section of the brain surface Which statement is TRUE about this map?	
A)	The sensory map is sometimes is composed almost completely of specialized mirror neurons
B)	The size of the body parts matches the size of the corresponding area on the brain
C)	The arms and legs take up the most space because they are bigger
D)	The face and hands are given more space on the brain because they are capable of finer perceptions
E)	All above statements are TRUE

	Which statement below about the use of embryonic stem cell in human clinical trials is <b>TRUE</b> ?
A)	Human trials with spinal injuries and blindness are happening now and results will be known soon
B)	Injecting embryonic stem cells into humans has been tried but failed due to immune system rejection
C)	Stem cells have been used for more than a decade but is so expensive that few people can afford it
D)	Injecting embryonic stem cells into humans has not been tried due to ethical concerns (only with animals)
	What do Wernicke's area and Broca's area have in common?
A)	They are both related to language processing
B)	They are both related to circadian rhythms
C)	They are both related to motor movements (e.g., walking)
D)	They are both related to the visual system
	Sandra had a bad car accident a few months ago. Now, every time she has to pass the location where the accident occurred, she gets very anxious. The best explanation for Sandra's anxiousness is...
A)	Classical conditioning.
B)	Extinction.
C)	Reinforcement.
D)	Post-traumatic stress disorder.
	The brain can be scanned using several different procedures. Which of the following statements is <b>FALSE</b> ?
A)	EEG measures the activity of millions of neurons at once and so is not very precise
B)	MRI is used to measure how much serotonin or other neurotransmitters are released at the synapses
C)	When an area of the brain experiences increased activity, there is a sudden rush of blood flow to that area
D)	During a PET scan, radioactive material may be injected into a vein, inhaled or swallowed by the patient
	The reward pathway in the brain includes which of the following areas?
A)	Broca's area and Wernicke's area.
B)	Nucleus accumbens and ventral tegmental area.
C)	The occipital and parietal lobes.
D)	The ossicles (malleus, incus, and stapes)
E)	The sensory and motor cortex
	Early behaviourist John Watson produced a study with baby Albert. What did Watson's study conclude?
A)	Watson proved that classic conditioning cannot be reversed.
B)	Watson used classic conditioning to produce a fear reaction in baby Albert.

	C) Watson proved that babies are very difficult to manipulate.
	D) Watson concluded that all babies are afraid of animals.
	E) Watson was too distracted by his female assistant to conclude to anything.
	All of these statements about neurons are true <b>EXCEPT...</b>
	A) Neuron components include the cell body, dendrites, axon and myelin sheath.
	B) <b>Neurons develop in the brain just after the baby is born</b>
	C) Neurons live in the “grey matter” of the brain surrounded by white matter.
	D) There are approximately 100 billion neurons in the brain.
	E) Neurons are connected to but do not physically touch other neurons
	Your memory for the information on the psych exam should be best if you write your exam...
	A) <b>Wherever you did most of your studying for the test</b>
	B) In a hypnotized state
	C) In an environment as different as possible from your study environment to preserve distinctiveness
	D) After taking amphetamines
	E) In the classroom
	Psychologists have shown that babies as young as 3 months old can learn to control their movements. In these experiments, babies lie on their backs under a colorful crib mobile. A bright red ribbon was tied around the baby’s ankle and connected to the mobile. What was the main result of these studies?
	A) <b>Babies learn to kick their leg so the mobile jiggles and moves</b>
	B) Babies learn to pull the ribbon off their leg
	C) Babies learn to be very still so they can more clearly see objects on the mobile
	D) Babies will cry until the ribbon is removed from their leg
	All of the following about panic disorder is true <b>EXCEPT:</b>
	A) <b>It involves periods of mania – intense physical activity</b>
	B) It may lead to agoraphobia (fear of crowded public places)
	C) It strikes at any time and without warning
	D) It involves a feeling of helpless terror
	Einstein the parrot showed how shaping can be used to train animals to perform complex behaviours. Shaping can be defined as ....
	A) <b>Forming responses gradually in a step-by-step fashion to a desired pattern</b>
	B) Forming similar responses to similar stimuli
	C) The tendency to become familiar with a stimulus as a result of repeated exposure
	D) The tendency to learn from observation
	Object permanence usually develops in infants that are around 8 months old. The following is an example of an infant that <b>has ALREADY developed object permanence.</b>
	A) <b>The infant loves to play ‘peek-a-boo’ because they think you actually disappear and reappear.</b>
	B) The infant had learned that kicking his leg will reward him with a wiggling mobile.

C)	The infant thinks that you cannot see them if they cannot see you.
D)	The infant will search for his/her toy when it is covered by a blanket.
	Psychoactive drugs increase the activity of the reward pathway in the brain by...
A)	Increasing the release of THC (tetrahydrocannabinol).
B)	Increasing the release of serotonin.
C)	<b>Increasing the release of dopamine.</b>
D)	Decreasing the release of ephedrine.
E)	All of the above
	After information is attended to, it moves into _____, which has the capacity to hold approximately _____ of information for about _____
A)	Sensory memory.....7 bits.....1 second
B)	Short-term memory.....7 bits.....5 minutes
C)	Short-term memory.....7 bits.....30 seconds
D)	<b>Long-term memory.....millions of bits.....indefinitely</b>
	Research on nuns in a convent in Minnesota is most consistent with the idea that...
A)	Everyone will get Alzheimer's if they live long enough.
B)	Giving the drug Aricept early enough can prevent Alzheimer's.
C)	Regular physical exercise can prevent Alzheimer's.
D)	<b>Intellectual stimulation may delay or prevent the development of Alzheimer's.</b>
	Most amputees have phantom limb pain sometimes months or even years after losing a limb. Because the phantom limb feels so real, a patient with a recently amputated leg may even try to walk on it. The video we saw in class used what type of therapy to help patients deal with phantom limb pain?
A)	Cognitive therapy
B)	<b>Mirror therapy</b>
C)	Drug therapy
D)	Group therapy
E)	Electroshock therapy
	Which statement below about child self-awareness (or self-recognition) is <b>TRUE</b> ?
A)	<b>Self-awareness occurs around the age of 18 to 24 months</b>
B)	Self awareness occurs at the same time as object permanence (about 8 months)
C)	Due to infantile amnesia, self-awareness does not develop until 3 or 4 years of age
D)	Young chimpanzees pass the self-recognition test earlier than human infants do
	Who has a blind spot in their eye?
A)	<b>All people with vision</b>
B)	People who are colour blind
C)	People with severe vision loss
D)	Animals but not people
E)	People with myopia

	Which of the following statements about amphetamines is <b>FALSE</b> ?
A)	Rapidly produce drug tolerance so more pills are needed to get high
B)	It is illegal to prescribe amphetamines for children or adolescents
C)	They are used as performance enhancers to boost energy
D)	Has been used by pilots and soldiers to stay alert in combat
E)	Can sometimes lead to psychosis, paranoia, and delusions
	Each of the following is closely associated with dopamine <b>EXCEPT</b> ?
A)	Multiple sclerosis
B)	Schizophrenia
C)	Parkinson's disease
D)	Feelings of pleasure (e.g., from sex or drugs)
	H.M. had a severe case of epilepsy and underwent radical surgery in 1953 that involved removing the hippocampus and portions of the temporal lobe. He was 27 years old at the time. Which of the following is <b>TRUE</b> ?
A)	Although his epilepsy improved, his intelligence was greatly reduced
B)	He could form new memories during the day but they always disappeared overnight
C)	He could not learn new skills such as riding a bike, playing tennis, or playing the piano
D)	For the rest of his life he awoke each morning believing it was 1953
E)	ALL of the above statements are TRUE
	The space between two neurons is known as a...
A)	Receptor
B)	Synapse
C)	Terminal button.
D)	Nucleus
E)	There is NO space-neurons are touching each other
	In order to teach a cat how to urinate in the toilet (like Misha) you would use the following procedure...
A)	Observational or imitative learning
B)	Kohler's insight learning
C)	Priming the correct behavior
D)	Shaping successive approximations
E)	This idea is silly; can't be done
	Lashley tested thousands of rats by training them to learn a maze. After cutting out different sections of the brain, he was able to conclude that:
A)	Long-term memories are located in the frontal lobe.
B)	Memories are not stored in a specific location in the brain
C)	The rats were unable to remember the maze
D)	Only their short-term memories were affected
E)	None of the above

	This picture represents which of the following developments?
A)	The rapidly increasing growth of dendrites after birth
B)	The rapidly increasing number of neurons after birth
C)	The rapidly increasing degree of myelination after birth
D)	The rapid increase in gray matter after birth
	
	<p>If I give you a set of numbers (9 3 8 2 6 1 4) it is relatively easy to remember them. But then I ask you to remember a second group of numbers (5 1 3 4 9 2 6) and then a third group of numbers (6 0 4 2 8 7 9). Suddenly it is very difficult to recall the first group of numbers. Which statement is <b>FALSE</b>?</p>
A)	New information pushes existing information out of short-term memory
B)	Short-term memory can hold a lot of information but only very briefly
C)	We can hold a group of numbers in short-term memory by rehearsing or repeating it over and over
D)	All short term memories pass into long term memory after a brief time
	<p>One class video showed a small happy baby who was suddenly startled by his mother blowing her nose. She blew her nose again and once more the baby was startled. Eventually after the baby her this several times he was no longer startled by the nose-blowing. This is an example of a simple form of learning called...</p>
A)	Assimilation
B)	Incidental learning
C)	Phobia
D)	Habituation
E)	Accommodation
	<p>In my Thursday class I was trying to remember the name of the Greek scientist who was in the bathtub when he had a brilliant insight for an invention. I felt strongly that I knew his name but it took me a couple of minutes and a few errors (Socrates, Aristotle) before the correct name (Archimedes) finally emerged. This is an example of...</p>
A)	Retrieval resistance
B)	Tip-of-tongue phenomenon
C)	Effects of aging on memory
D)	Schema theory

	The _____ acts as a relay station for sensory messages on their way to the cortex (vision, hearing, taste, and touch). Thus even a small injury in this area can cause deafness, blindness, or loss of other senses.
A)	Sensory cortex
B)	Corpus callosum
C)	Cerebrum
D)	<b>Thalamus</b>
E)	Pituitary gland
	In Pavlov's famous conditioning research where he rings a bell and a dog salivates, which is considered to represent the unconditioned stimulus?
A)	<b>The food</b>
B)	Dog's salivation
C)	The dog
D)	The Bell
E)	The food and bell
	A beer ad that contains the image that if you buy their beer hot women will have sex in your back yard is an example of what type of conditioning?
A)	Conditioned taste aversion
B)	Operant Conditioning
C)	Subliminal perceptions
D)	<b>Classical conditioning</b>
	Even for something as simple as picking up a glass of water, a complex array of information is required and yet we make such movements all the time without even thinking of them. Which area is <b>NOT INVOLVED</b> when you pick up a glass of water, take a drink, and then put it back on the table?
A)	Visual cortex
B)	Motor cortex
C)	Sensory cortex
D)	Cerebellum
E)	<b>All of the above are involved</b>
	There is some evidence showing that spanking children makes them...
A)	More positive in all regards of life
B)	<b>More aggressive and anti-social</b>
C)	Less aggressive and pro-social
D)	Hyperactive and inattentive
	In the movie "As Good As It Gets" Jack Nicholson's character Melvin Udall, suffers from a disorder where he wears gloves in public places, avoids stepping on cracks on the sidewalks, sits in the same spot in the same restaurant day after day, counts how many times he flicks on light switches, and washes his hands frequently to keep himself clean. Melvin Udall is suffering from...
A)	Severe Anxiety

B)	Obsessive-Compulsive Disorder
C)	Attention Deficit Hyperactive Disorder
D)	Suffers from various phobias
E)	If you haven't seen this movie, well...I believe you can still figure it out
	There were more than 10,000 thalidomide children born in the 1960s with birth defects. Which statement is <b>TRUE</b> ?
A)	Most died during the first year of birth
B)	Many reached adulthood but they were mentally retarded
C)	Many reached adulthood but were unable to have children due to infertility
D)	Many reached adulthood, married, and had normal children
E)	Many reached adulthood, married, and had children with birth defects
	Mr. Jones is hearing impaired and has damage done to the hair cells in his inner ear canal that help in the transduction of sound. Which of the following might be the best for Mr. Jones?
A)	Cochlear implant
B)	Hearing aid
C)	Ear surgery
D)	'Hair' transplant
E)	Learning to read lips
	Taylor comes home to find garbage all over the kitchen and knows that the dog did it. Meanwhile Rufus comes happily to greet him, tail wagging as usual. Taylor gives him a slap and says "Bad Rufus." Which statement below is <b>FALSE</b> ?
A)	Too much time has passed for Rufus to understand what he did wrong
B)	Rufus may become fearful of Taylor if this happens several times
C)	Rufus will be less likely to go into the garbage in the future
D)	Taylor is actually punishing the dog's friendly behaviour
	We have several sensory receptors (eyes, ears, skin) that receive information from the environment so it can be sent to the brain for processing and interpretation. But before the various types of sensory information such as light and sound can be sent to the brain, they must be converted to...
A)	Hormones
B)	Blood cells
C)	Electrical signals
D)	Neurons
E)	Neurotransmitters
	Animals can be trained to do many things using simple rewards such as food. Which of the following experiments with pigeons did we discuss in class?
A)	Teaching pigeons to play ping pong
B)	Teaching pigeons to play the piano with their beaks
C)	Teaching pigeons to whistle the "Happy Birthday" song
D)	Teaching pigeons to discriminate between paintings by Picasso and Monet

	Which of the following senses have developed (to some degree) in the fetus by the last month or two before birth?
A)	Only hearing has developed
B)	Only hearing and touch have developed
C)	Only hearing, touch and taste have developed
D)	Hearing, sight, touch, taste, and smell are all developed
E)	The senses are NOT functional until immediately after birth
	A.J. is 40-year-old woman who remembers almost everything about her past personal experiences... i
A)	Episodic memory
B)	Explicit memory
C)	Semantic memory
D)	Implicit memory
	A.J. is 40-year-old woman who remembers almost everything about her past personal experiences. Which statement below is FALSE?
A)	She remembers nearly all the personal events in her life
B)	She remembers everything about TV shows she watched
C)	She remembers all the people she knew and places she had seen
D)	She remembers nearly all factual information from science books she read in high school
	Your roommate has a new boyfriend who at first seems very nice. However, every time he comes over to your apartment, he smokes like a chimney and the smell gives you a really bad headache. Now, whenever you see him, you start to get a headache, even if he isn't smoking. In this example, the headache you get when you see your roommate's boyfriend represents the...
A)	Unconditioned stimulus
B)	Conditioned response
C)	Conditioned stimulus
D)	Unconditioned response
	The smallest bones in the human body are located in the...
A)	Nose
B)	Ear
C)	Hands
D)	Eye
E)	Brain
	What is the most common non-genetic cause of mental retardation in North America?
A)	Poor prenatal nutrition
B)	PKU
C)	Low birth weight
D)	Anoxia
E)	Fetal alcohol syndrome

	Several years ago Lincoln Holmes was in a car accident that damaged an isolated part of his brain. He can still think and talk as before but now is unable to recognize people's faces - he is completely "face blind". Which statement is <b>FALSE</b> ? <b>SEE SITE BELOW</b>  <a href="http://cogweb.ucla.edu/ep/FacialCognition_00.html">http://cogweb.ucla.edu/ep/FacialCognition_00.html</a>
A)	He cannot even recognize his own face
B)	This case revealed that recognition of faces is carried out by a specific part of the brain.
C)	<b>Information from his eyes does not get transmitted to his visual cortex</b>
D)	He is able to recognize inanimate objects such as a table, car, tree, or apple
E)	He can still recognize people by their voice or clothes they wear
	THC in marijuana acts on certain receptors which are found on neurons in many places in the brain. These brain areas are involved in memory (the hippocampus), concentration (cerebral cortex), perception (sensory areas of the cerebral cortex) and movement). <b>Which statement below is TRUE?</b>
A)	<b>There are no documented cases of a fatal overdose produced by marijuana</b>
B)	Unlike most drugs THC has minimal effects on the brain's neurotransmitters
C)	Catnip has similar effects to marijuana
D)	McGill researchers have demonstrated that THC reduces chronic pain
	The TV series "Breaking Bad" is about a chemistry teacher who has terminal lung cancer and decides to make crystal meth to earn some money for his family. His meth lab used the 'Red, White, and Blue Process'...to produce crystal meth. If not used properly, which of the following chemicals can produce a deadly toxic gas?
A)	Red phosphorus
B)	White ephedrine
C)	Blue iodine
D)	<b>Green barium</b>
	Which of the following statements is <b>FALSE</b> ?
A)	When we are asleep, our brain goes through four stages of sleep
B)	<b>Sleepwalking usually occurs when in REM sleep, where the body is more likely to be mobile</b>
C)	Freud's theory about dreams is the unconscious desire to fulfill needs that go ungratified when awake
D)	Two possible causes of sleep apnea is closing of the windpipes and brain stem abnormalities
E)	The amount of deep sleep we experience is much greater during first half of a night's sleep
	The series of changes that prepares our bodies for emergency action is referred to as the...
A)	Nature vs. nurture response
B)	Rest and digest
C)	Operant conditioning
D)	<b>Fight or flight response</b>
E)	Five-factor model
	Death caused by overdose is relatively common and can be caused by several drugs. Which of the following probably produces the highest risk of death?

	A) Cocaine
	B) <b>Crystal meth</b>
	C) Heroin
	D) Rohypnol
	E) A combination of drugs (e.g., alcohol and heroin)
	Which statement about Bernie Madoff is FALSE?
	A) He swindled almost \$65 billion dollars much of it from charities
	B) He was convicted and is serving 150 years sentence in jail
	C) He destroyed his family and the lives of many people he swindles
	D) <b>He now feels great remorse and admits that he is a bad person who deserves jail</b>
	Myelination begins in the 3rd trimester but occurs most rapidly during the first two years of life. Which of the following statements is <b>FALSE</b> ?
	A) <b>Myelination of the visual pathways is completed in the uterus by the 5<sup>th</sup> month of pregnancy</b>
	B) The pathways related to sense of touch, the first sense to develop, are myelinated by birth
	C) Myelination related to hearing begins at 6 months of pregnancy when fetuses begin to respond to sound
	D) At birth, the parts of the brain involved with heartbeat and respiration are fairly well myelinated
	General Romeo Dallaire was in Rwanda when hundreds of thousands of Tutsis were slaughtered. After returning to Canada, he had nightmares and flashbacks related to this horrific experience. Dallaire was eventually diagnosed with ...
	A) Undifferentiated schizophrenia
	B) <b>Post-traumatic stress disorder</b>
	C) Obsessive-compulsive disorder
	D) Generalized anxiety disorder
t	If you are playing a game of Trivial Pursuit and have to answer questions related to general knowledge such as history or science, what type of memory are you using?
	A) Mostly episodic memory
	B) <b>Mostly semantic memory</b>
	C) Mostly procedural (implicit) memory
	D) Mostly iconic and echoic memory
	Visual illusions (like the fake potholes and the sidewalk paintings of Julian Beever) give us false perceptions ...
	A) Because we are fooled by our eyes and the false signals they send
	B) Due to presbyopia
	C) Due to retinal disparity
	D) <b>Because our brain sometimes interprets sensory information incorrectly</b>
	Canadians, especially those living farther north, are vulnerable to seasonal affective disorder in the winter because
	A) Being locked in doors all winter causes "cabin fever."
	B) <b>The long nights disrupt circadian rhythms.</b>

C)	Temperatures drop below healthy levels.
D)	Bacterial infections run rampant when you are locked inside all day.
	The cerebral cortex of your brain is divided into...
A)	Two hemispheres and four lobes
B)	Broca's and Wernicke's areas
C)	Motor and sensory areas
D)	Somatic and central nervous system
	Maria has been taking sleeping pills for the past two months. Initially, she was able to fall asleep quite quickly after taking one pill. Lately, she has had to take two pills to be able to fall asleep as quickly. This pattern best indicates which of the following?
A)	Maria has developed a physical dependence.
B)	Maria will not be able to stop taking sleeping pills.
C)	Maria has developed a psychological dependence.
D)	Maria has developed a tolerance for the sleeping pills.
	While waiting in line at the grocery store, a child nags his mother and then has a tantrum because he wants a chocolate bar. What should the mother do?
A)	She should give him the chocolate bar to keep him quiet
B)	She should ignore or pay little attention to the child while he is nagging
C)	She should tell him to be quiet or he will get spanked
D)	She should send him to his room after they get back home
	Probably most famous patient to have survived severe damage to the brain was Phineas Gage. A meter-long tamping iron went in point first under his left cheek bone and completely out through the top of his head. He survived the accident but his personality completely changed...his friends said he was "No longer Gage." Which part of his brain was damaged?
A)	The cerebellum
B)	The frontal lobe
C)	The occipital lobe
D)	Broca's area
E)	The amygdale
	Which of the following statements about memory is FALSE?
A)	When we experience gaps in memory, we fill them in with logical reconstructions
B)	It is easy to have memories of things that never happened
C)	Memory is like a video recorder capturing every aspect of an experience as it occurs
D)	All the above statements are TRUE...none is FALSE
	Someone with synesthesia might describe her experience as follows: When I hear music, each note has a different colour like a glittering rainbow. Synesthesia is caused by...
A)	Malfunction of cones in the retina
B)	Connections between brain areas that process different senses
C)	Absence of the FRMP protein

	D) Abnormalities related to synapses
	While walking home at night Shelley was frightened by a barking dog. After walking another block, she notices that her breathing and heart rate have slowed to normal levels. <b>Which branch of her nervous system is responsible for calming her down to normal levels?</b>
	A) Sympathetic nervous system
	B) <b>Parasympathetic nervous system</b>
	C) Autonomic nervous system
	D) Somatic nervous system
3.	All of us experience some anxiety in our lives. Before fear is diagnosed as a disorder which condition must be met?
	A) There must be a GABA deficiency
	B) There must be a period of hospitalization
	C) <b>It must interfere with daily life and ability to function</b>
	D) It must include rapid heart rate, shortness of breath, chest pains, trembling
	Which of the following, according to the notes, is <b>NOT</b> a side effect of punishment involving children?
	A) <b>Child may develop a schizophrenic personality</b>
	B) Aggression may be imitated by the child
	C) Child may avoid their parents
	D) Child may become fearful of their parents
	E) Child is unable to learn appropriate or correct behaviour
	The term biofeedback refers to...
	A) Using probes for deep brain stimulation
	B) Monitoring performance of the heart using pacemakers
	C) A form of genetic testing that uses DNA extracted from the developing embryo
	D) <b>Monitoring biological states like blood pressure or brain waves</b>
	Most of the drugs that are useful in the treatment of schizophrenia are known to dampen _____ activity in the brain, suggesting that disruptions in the activity of this neurotransmitter may contribute to the development of the disorder.
	A) Norepinephrine
	B) Acetylcholine
	C) Serotonin
	D) <b>Dopamine</b>
	Following a severe brain injury K.C. was unable to consciously recollect anything that had ever happened to him but was able to remember many facts about things like geography and history. K.C. had lost his _____ while his _____ was preserved
	A) Long-term memory, short-term memory
	B) Semantic memory, episodic memory
	C) <b>Episodic memory, semantic memory</b>
	D) Retrospective memory, prospective memory

	What was the major finding in Harlow's study involving infant monkeys and attachment?
A)	Contact comfort, not feeding, was found to be the crucial variable in attachment.
B)	It was found that infant mothers rejected the wire "mother."
C)	Feeding, not contact comfort, was found to be the crucial variable in attachment.
D)	It was found that infant monkeys refused to be fed by the cloth "mother."
	Christa was asked to recall the months of the year and could do so quickly. She was then asked to say them in an alphabetical order, which took her much longer. Alphabetical order took longer because...
A)	Speed of retrieval may depend on how memories are organized in long-term memory
B)	The names of the month were a part of her sensory memory
C)	Memories are reconstructive
D)	There was retroactive or proactive interference
E)	Of a failure of the encoding process associated with the three-stage model
	The suprachiasmatic nucleus triggers _____ secretion after sunset which induces sleep and lowers the temperature of the body.
A)	Endorphin
B)	Serotonin
C)	Epinephrine
D)	Melatonin
	On May 27, 1995, Christopher Reeve became a quadriplegic after being thrown from a horse in an equestrian competition. He required a wheelchair and breathing apparatus for the rest of his life. Which statement is FALSE?
A)b	He received an injection of stem cells but it did not work due to rejection by his immune system
B)	He shattered his first and second vertebrae producing extremely serious spinal cord damage
C)	After intense physical therapy he regained some muscle control (moving fingers and walking in a pool)
D)	Damage to his brainstem made it impossible for him to breathe on his own
	Caffeine has its stimulating effect by acting on which of the following brain chemicals?
A)	Dopamine
B)	Adenosine
C)	Adrenalin
D)	All of the above
E)	None of the above
	Most spontaneous abortions (miscarriages) occur even before the woman realizes that she is pregnant. These miscarriages most often occur because of...
A)	Defective or poorly implanted embryos
B)	Poor nutrition or diet
C)	Overactivity of the mother
D)	Viral infections

E)	Alcohol consumption or drug use
	Children learn many skills by observing closely and mimicking the behaviour of others. Which statement below is <b>FALSE</b> ?
A)	Specialized cells called mirror neurons are believed to help us with imitation
B)	<b>Imitation is unique to human babies; animal babies use reflex reactions and innate responses</b>
C)	Children may become more aggressive when they watch a lot of violence on TV
D)	The twin boys having an animated “conversation” may have been imitation an adult conversation
E)	An infant who is 10 minutes old can imitate it’s father who sticks out his tongue
	What part of the Brain’s structure is assumed to no longer “create” long-term memory, if damaged?
A)	<b>Temporal lobes in the cerebral cortex</b>
B)	Hippocampus
C)	Cerebellum
D)	Amygdala
E)	Nervous System
	Many accidents have been attributed to cell phone use while driving. Accidents are more likely to occur because of ...
A)	<b>Divided attention</b>
B)	Echoic memory
C)	Negative reinforcement
D)	Retrograde amnesia
	Even though death or serious injury from snake or spider bites are exceptionally rare in Canada, snake and spider phobias are two of the most common of all phobias for Canadians. This has been considered to be evidence for
A)	<b>Vicarious learning</b>
B)	Instinctive drift
C)	Biological preparedness
D)	Secondary reinforcers
E)	Incidental learning
	In a video we watched the EVIAN commercial with chubby roller skating babies dancing to a remix of the song “Rapper’s Delight”. We see these 7 or 8 month-old babies as they leap over obstacles, leap on a fence and hang from it, do backflips, engage in some break dancing, weave through a series of Evian bottles, and walk upside down on their elbows. What is the most complicated action that we could expect 7 or 8 month-old babies to be able to perform?
A)	Walking
B)	<b>Ride a tricycle</b>
C)	Climbing stairs
D)	Running and jumping
E)	None of the above

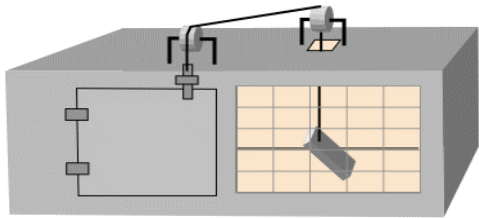
	REM atonia, a state in which the motor neurons are not stimulated and thus the body's muscles don't move. Body is very still during REM sleep as if you were paralyzed. <b>Which statement is TRUE?</b>
A)	Sleep paralysis helps to conserve the body's energy
B)	Sleep paralysis occurs to make sure you don't fall out of bed
C)	Sleep paralysis is controlled by the release of endorphins in the nucleus accumbens
D)	<b>Sleep paralysis protects you from thrashing about and hurting yourself or your partner</b>
	Pain receptors are of two types...
A)	Sensory neurons and motor neurons
B)	Very sensitive touch neurons and less sensitive pressure neurons
C)	<b>Thin slow-conducting neurons and thick myelinated faster-conducting neurons...Pain receptors have much higher threshold for firing than receptors for temperature and touch. Pain neurons are of two types...thin slow-conducting neurons and thick myelinated faster-conducting neurons...when your skin is bruised or burned you feel two different waves of pain...</b>
D)	Those in thalamus and those in hypothalamus
	You're driving in your car texting on your phone. You look up and there's a car stopped right in front of you and you're about to rear-end it. You slam on your brakes. Which action is controlled by your somatic system?
A)	You slam on your brakes
B)	Your heart starts pounding
C)	You breathe faster
D)	<b>Adrenaline is released</b>
E)	Your mouth is dry (no saliva)
	Addictions are powerful and it is quite difficult to break the habit once it is established. Which of the following addictions has the highest relapse rate (in other words the person quits but then restarts again later)?
A)	Alcohol
B)	Smoking
C)	Cocaine
D)	Heroin
E)	<b>All relapse rates are similar (80%)</b>
	One night during REM sleep you dream that you are locked in your closet by your psychology professor. According to the activation-synthesis theory your dream reflects...
A)	Your brain's efforts to express a hostile impulse towards your parents
B)	<b>Your brain's efforts to review the content of your day</b>
C)	Your brain's efforts to make sense of the professor's psychology lectures
D)	Your brain's efforts to make sense out of neural activity taking place during sleep
	Milgram's research and as well as historical events such as the Nazi death camps, and genocide in Cambodia and Rwanda indicate, who commits evil acts (inflicts pain or kill innocent people)
A)	Only the mentally disturbed will commit evil acts
B)	Only soldiers or military personnel will commit evil acts

C)	Most people will commit evil acts only if they see other people doing the same thing
D)	Average people will sometimes commit evil acts when pressured to do so
	Mindball is a device that monitors the brain waves of you and a competitor on the other side of the table. The more relaxed you are the more you can control the ball and defeat your opponent.
A)	Mindball is a form of brainwashing
B)	Mindball is a form of transcendental meditation
C)	Mindball is a form of cognitive therapy
D)	Mindball is a form of biofeedback training
	In class we discussed the killing of Tim Maclean on the Greyhound bus en route from Edmonton to Winnipeg. The psychiatrist said that Vincent Li performed the attack because God's voice told him McLean was a force of evil and was about to execute him. The presiding judge accepted the diagnosis, and ruled that Li was not criminally responsible for the murder. Vincent Li was diagnosed as...
A)	Having dissociative identity disorder
B)	Having anterograde amnesia
C)	Being a paranoid schizophrenic
D)	Having generalized anxiety disorder
	The immune system keeps us healthy by recognizing and destroying bacteria, viruses and tumours. Which statement about stress and the immune system is <b>FALSE</b> ?
A)	Short-term stress actually "revs up" the immune system and is an adaptive response
B)	The biological pathways that respond to stress include the liver, pancreas, and hippocampus
C)	Chronic stressors beyond control are associated with harming the immune system
D)	Positive emotions and being happy lead to better immune functioning
	Myelination begins early in the 3rd trimester with the most rapid period of myelination occurring in the first two years of life and beyond. Of the areas below which would be the LAST to be myelinated?
A)	Parts of the brain related to vision
B)	Pathways related to sense of touch
C)	Parts of the brain related to heart and breathing
D)	Axons for the lower extremities (legs & feet)
	The old saying "don't cram the night before an exam" is true because?
A)	Sleeping allows you to process and consolidate your newly learned material
B)	Sleeping lets you dream the scenarios of your newly learned information
C)	Sleep allows you to get up earlier and cram just before so it is fresh in your mind
D)	Sleeping recycles the last 100 things you think about before you sleep to make up your dreams
	"Sleep learning is a way to harness the power of your subconscious while you sleep, enabling you to learn foreign languages, pass exams, undertake professional studies and implement self-growth". How much can we really learn while we sleep?
A)	We can consolidate memories and recent learning while we are asleep
B)	We can learn complex skills while we sleep by listening to audio tapes (e.g., foreign languages)

C)	We can learn by listening to tapes with subliminal messages and information while we sleep
D)	All of the above are true
	The Visual Cliff experiment consists of a glass only portion of a tabletop which looks like a deep cliff with a drop-off (but is actually safe for the child). When the mother of the baby calls to her child standing at the end of the visual cliff, which of the following statements would be most accurate?
A)	Babies with depth perception would crawl back to the shallow side
B)	Babies with high intelligence would crawl to the mother knowing the cliff is not real
C)	<b>Babies with secure attachment would crawl back to the shallow side to avoid the drop-off</b>
D)	Babies always crawled to be closer to the mother ignoring the drop-off
	During the video shown in class, we were told to watch the people in white shirt and count how many times they passed the ball to each other. Because we were focused on the white shirted players, we failed to see the gorilla (black) walk across the screen. This is an example of...
A)	Eidetic memory
B)	Reconstructive memory
C)	Sensory memory failure
D)	<b>Selective attention</b>
E)	Proactive interference
	At birth, infants are most likely not aware of their separateness from the environment, and they acquire this awareness following a gradual process of development. How do researchers usually measure the degree of self-awareness?
A)	References made by children to "I" or "me" or "myself"
B)	Pointing to photographs of familiar people
C)	<b>A mirror and a spot of rouge (paint) on the face</b>
D)	Ability to recognize their own voice
E)	Infant IQ tests such as the Bayley scales
	Psychologists believe that many phobias are the result of ...
A)	Cultural biases.
B)	<b>Genetic predispositions.</b>
C)	Learned conditioned responses.
D)	Repressed childhood experiences.
	Bandura did some early research where children observed a model being aggressive towards someone else. He concluded that children who observed others behaving in an aggressive manner also showed more aggressive behaviours towards others. What implications might this research have for the use of spanking by parents?
A)	The more children are spanked the more they will listen to their mothers
B)	<b>The more children are spanked the more they will imitate this aggressive behaviour</b>
C)	The more children are spanked the less they will engage in aggressive behaviour
D)	Spanking should be used only for boys and not for girls' misbehaviour
	Each of the following is considered to be a form of learning <b>EXCEPT</b> :

A)	Habituation
B)	Imitation
C)	Facilitated communication
D)	<b>Classical conditioning</b>
E)	Operant conditioning (rewards)
	When Konrad Lorenz's goslings hatched and saw his face first, they followed him around as if he was their mother. What is this phenomenon called?
A)	Contact comfort
B)	<b>Imprinting</b>
C)	Identity vs confusion
D)	Maternal neglect
	Hostility may be the crucial toxic element in Type A personality. Which of the following is FALSE?
A)	Hostility increases blood pressure and the risk of heart attack
B)	<b>Hostility increases our sense of personal control and self-efficacy</b>
C)	Hostility may raise testosterone levels, which decreases protective lipoproteins
D)	Hostility leads to higher levels of stress hormones and slower recovery from stress
	This question is based on Congresswoman Giffords, who was shot in the head in Tucson, Arizona (I have changed some details). The bullet entered through the back of her head, passed through her right hemisphere and out through her frontal lobe. <b>Which statement is FALSE?</b>
A)	If the bullet had hit her thalamus she would have been deaf and blind
B)	<b>The bullet may have damaged her language centres</b>
C)	She gave people the "thumbs up" sign with BOTH hands indicating the absence of paralysis
D)	Her personality may be altered due to damage in her frontal lobe
11.	<b>Which of the following facts about schizophrenia is FALSE?</b>
A)	About one-half of all mental hospital patients are schizophrenic
B)	<b>Almost all schizophrenics are dangerous or violent</b>
C)	Speech can be incoherent gibberish
D)	Hallucinations seem very real to the patient and can involve any of the senses
	When in pre-natal development do various organs begin to form (e.g., spinal cord, eyes, heart, arms...)
A)	The germinal period (first two weeks after conception)
B)	<b>The embryonic period (3 to 8 weeks after conception)</b>
C)	The fetal period (2-3 months after conception)
D)	The fetal period (4-5 months after conception)
	Fight or Flight: This response stimulates the sympathetic nervous system to prepare the body to meet a stress situation. Which of the following is <b>FALSE</b> :
A)	<b>If the body is digesting food, that is stopped immediately</b>
B)	Hormones including adrenaline prepare the body for action
C)	Your breathing becomes faster to increase oxygen

D)	Heart rate slows down in order to conserve energy
E)	Glucose is released into the bloodstream as fuel
	A special cell phone ringer that uses high frequency sound has been invented that may allow people to cheat on tests without getting caught. This is because their teacher who is older...
A)	<b>Is not able to hear high frequency sounds</b>
B)	Is hearing impaired
C)	Has a cochlear implant
D)	Is not very bright
E)	Has damage to his temporal lobe
	A person affected by MS (Multiple Sclerosis) may have his ability to walk and stand impaired because:
A)	<b>Myelin tissue is destroyed and disrupts neuronal communication</b>
B)	Neurotransmitters are blocked from being released into synapse
C)	A deficiency of acetylcholine in the neurotransmitter has occurred
D)	His peripheral nervous system has blocked acetylcholine at the "neuromuscular junction"
	In the movie Memento, Leonard Shelby is a man who seeks revenge for the rape and murder of his wife. One complication with this plan—Leonard suffered a head injury from a scuffle with his wife's killers and has lost the ability to make new memories. As Leonard explains in the movie, "If I talk to you for too long, I probably won't remember who you are or even why I started talking to you in the first place." To compensate, Leonard is constantly taking Polaroid pictures of people he meets and places he goes and writing messages on the pictures. Important facts, such as information about the crime, he has tattooed all over his body. Three of the statements below describe elements of the movie that are unrealistic. <b>Which is the only aspect of the movie described below that is realistic or reasonable?</b>
A)	Leonard is totally aware of what his disorder is, how he got it and what its symptoms are
B)	<b>Leonard maintains his intelligence, his ability to reason, and basic skills such ability to drive car</b>
C)	Leonard is quite functional and independent as he pursues his wife's killer
D)	Leonard can remember where he parks his car, finds Natalie's address and drives to her house
	Infants 2 to 6 months old learned to kick in order to activate a mobile that was attached to one ankle by a ribbon. When again shown the mobile a couple of weeks later but with no ribbon attached to the ankle this time...
A)	The babies ignored the mobile because they had habituated
B)	The babies were interested in the mobile but there was no kicking
C)	The babies did not kick because the ribbon was not attached
D)	<b>The babies remembered and starting kicking again</b>
E)	B and C are both correct
	Blind people often have lifelong sleeping problems because their retinas do not send information to the
A)	Pineal gland.
B)	<b>Suprachiasmatic nucleus.</b>
C)	Visual cortex.

D)	Hippocampus.
E)	Optic chiasm
<p>In class, we watched a video in which a gorilla passed through a group of people passing a ball. Most people watching _____:</p>	
A)	Saw the gorilla waving at them because it had the basketball
B)	Were too focused on watching the white team play with the basketball
C)	Were too focused on watching the red team throw the basketball
D)	Were too focused on the elevator to see the teams or the gorilla
<p>Which of the following statements about social attachment is <b>FALSE</b>?</p>	
A)	Both smiling and laughter play important roles in mother-infant interactions
B)	Harlow showed that feeding was more important for infants than contact comfort
C)	It is NOT a serious problem if young children who are attached to a stuffed toy or blanket
D)	When the baby smiles this encourages the caretaker to cuddle and talk to the baby
<p>Thorndike placed a hungry cat inside the puzzle box (pictured below) with a piece of fish outside that was out of reach. The cat could escape the box and get the fish by pressing down on the paddle to open the door. Each day Thorndike placed the hungry cat in the puzzle box. What happened over the course of many trials?</p>	
	
A)	After the first trial the cat figured out the puzzle and pressed the paddle almost immediately to get the food
B)	The cat learned slowly with no sudden insight; it took 30 trials before cat was pressing paddle fairly quickly
C)	After the first few trials the cat solved the puzzle and pressed the paddle almost immediately to get the food
D)	There was little evidence of learning; the cat solved the puzzle by random behaviour only
<p>Howard Hughes (film the Aviator) was a handsome and daring pilot in his youth. As he got older, he would spend hours cleaning a telephone before using it. Toward the end of his life, he lived in a small, dark room and took massive doses of Valium. His employees had to wear gloves so that they could not “contaminate” the business papers that they delivered to him. He would often haul out a ruler to make sure that his piece of cake was exactly 4”x4.” What did Howard Hughes suffer from?</p>	
A)	Phobia
B)	Panic Disorder
C)	Post Traumatic Stress Disorder (PTSD)
D)	Obsessive-Compulsive Disorder

E)	Schizophrenia
	Although we have used genetic engineering to modify dogs and other animals, there has been little use with humans. The only procedure used so far to control the genetic characteristics of the fetus is...
A)	Fetal surgery in utero
B)	Pre-implantation genetic diagnosis
C)	Chorionic villus sampling
D)	Amniocentesis
E)	Echogenic testing
	Each of the following is considered to be an anxiety disorder <b>EXCEPT</b> :
A)	Bipolar disorder
B)	Obsessive-compulsive disorder
C)	Post-traumatic stress disorder
D)	Panic disorder
E)	Generalized anxiety disorder
	Which statement about REM sleep is correct?
A)	We go through a single REM cycle each night
B)	If you can't remember your dreams, you missed your REM sleep
C)	REM is less common in older people
D)	Newborn babies sleep more than 16 hours a day but have no REM sleep
	Which statement about REM sleep is correct?
A)	We go through a single REM cycle each night
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C)	REM is less common in older people
D)	Newborn babies sleep more than 16 hours a day but have no REM sleep
	Piaget's theories of child development have been very influential. Each of the concepts below originated with Piaget EXCEPT:
A)	Schemas
B)	Assimilation
C)	Sensorimotor stage
D)	Zone of proximal development
E)	Accommodation
	Some of our fears (such as Post-Traumatic Stress Disorder) may seem so irrational because...
A)	We experience a feeling of learned helplessness
B)	Some people have a low threshold for fear or arousal
C)	The sympathetic nervous system increases the level of physiological arousal
D)	The amygdala's influence overpowers the reasoning portion of the brain
E)	The left and right hemispheres of the brain are not communicating properly

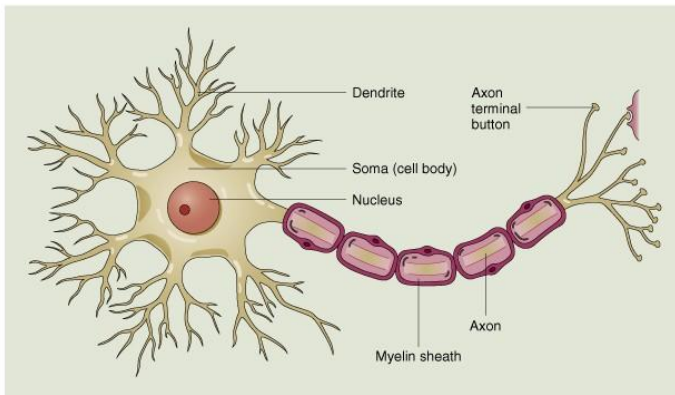
	According to Kandel and Swartz's study of sea slugs, which of the following statements is TRUE?
A)	Sea slugs learn better when undergoing electric shock therapy
B)	That reward greatly enhances memory retention
C)	That serotonin is involved in memory retention
D)	That epinephrine and other stress hormones inhibit learning and memory retention
	Kanzi was tested with 300 odd or unusual demands (ex: "Put salt on the ball"), and responded correctly 298 of the times. Why were "unusual" instructions used in this case?
A)	This is what Kanzi had practiced before the test
B)	This would break a world record
C)	This would be more convincing that Kanzi can truly understand language
D)	This would show how good Kanzi's memory is
E)	This would show Kanzi's grasp of morphemes and phonemes
	A century ago, leading causes of death were infectious diseases such as influenza, tuberculosis, polio, typhoid fever, etc. Today 7 to 10 leading causes of death are related to...
A)	Psychology experiments
B)	Mental disorders
C)	Type A personalities
D)	Personal habits and lifestyles
E)	None of the above
	Modern technology has made it possible for amputees to participate in activities otherwise reserved for individuals with functioning limbs. How do these bionic arms operate?
A)	The bionic limb will move whenever the client thinks about a specific movement or action
B)	Nerves attached to the spinal cord use monosynaptic reflexes to redirect the impulse to the robotic limb
C)	Microchip implants in the cerebral cortex attach to the electrodes of the bionic arm
D)	A control panel on the shoulder joint contains preprogrammed movements initiated by client's thoughts
	Although manic episodes may have some positive aspects, they usually escalate to higher levels that become scary and disturbing. These positive aspects may include each of the following <b>EXCEPT</b> :
A)	Elation and euphoria
B)	Increased self-esteem
C)	Boundless energy
D)	Enhance mnemonic and memory skills
E)	Surges of productivity and creativity
	Which of the following does <b>NOT</b> contribute to work-related stress?
A)	Job that is high in personal control and autonomy
B)	Job responsibilities that interfere with home life
C)	Decrease in job security
D)	Job that provides few advancement opportunities

	If you look at an object or person then close your eyes, you will continue to see the image for a brief time. This is a simple demonstration of ...
A)	The operation of a false memory
B)	The operation of flashbulb memory
C)	The operation of sensory memory
D)	The operation of long-term memory
	Since its introduction in 1990, pre-implantation genetic diagnosis has been used it has been most widely for each of the following <b>EXCEPT</b> :
A)	To prevent the birth of children with Tay Sach's disease
B)	To select the gender of the child (male or female)
C)	To prevent the birth of a child with Down Syndrome
D)	To have a "baby Einstein" by implanting genes related to high intelligence
	During REM sleep, the release of certain neurotransmitters such as norepinephrine and serotonin is completely shut down. This causes REM atonia, a state which...
A)	Is completely dream free approximately 90% of the time.
B)	The motor neurons are not stimulated and thus the body's muscles don't move.
C)	The body tosses about the bed and produces other motor events such as sleepwalking and sleep-talking.
D)	Brain waves would be large slow waves indicating the deepest sleep stages.
E)	Night terrors (horrifying fear states) take place.
	An infant's smiling and laughter play important roles in social development. What is one major function?
A)	They show the increasing development of the baby's personality
B)	They assist in the development of the baby's self-awareness
C)	These positive interactions help develop the bond between mother and child
D)	They develop the child's imitation skills
	Researchers have found that when people are asleep...
A)	They are unaware of what is happening around them.
B)	They remain aware of external stimuli to some degree.
C)	They have the same level of awareness as when they daydream.
D)	They are experiencing subconscious awareness.
	Mike May, like many others who have regained their sight after decades of blindness, could see the world, but had difficulty making sense of what he was seeing. Which statement is <b>FALSE</b> ?
A)	May had trouble recognizing three-dimensional shapes
B)	May had trouble recognizing faces and facial expressions
C)	May learned to recognize some objects that he had seen before (e.g., his kitchen table)
D)	May was able to recognize his wife's face about a week after he regained his sight
	In the debate over chimpanzees' ability to use language, there is ...

A)	Chimps understand symbols, but whether they can use language to express thoughts is unresolved.
B)	Chimpanzees can both understand symbols and use language to express their thoughts.
C)	Chimpanzees cannot understand symbols nor can they use language to express ideas.
D)	<b>Chimpanzees can understand symbols but they cannot use language to express thoughts.</b>

	Identical twins have EXACTLY the same genetic information. But what are the chances that non-twin offspring of the same parents will be genetically identical?
A)	<b>The likelihood is close to 0%</b>
B)	The likelihood is about 5%
C)	The likelihood is about 25%
D)	The likelihood is about 50%
E)	The likelihood is about 75%

	Perception depends heavily on the selection of sensory input or in other words, what people focus their attention on. A visual scene may contain many objects, some may capture our attention and others not. In one video a man and woman showed us a card trick but as we carefully watched the cards, most of us did not notice...
A)	The cards were actually all the same colour and not black and red as in a normal deck
B)	<b>The man and woman changed their shirts to a different colour</b>
C)	The man that started the trick was different from the man who finished it
D)	There were several people in the background throwing pies at each other



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	Which part of the neuron FIRST receives action potentials (messages) from other neurons?
A)	<b>Dendrites</b>
B)	Nucleus
C)	Axon
D)	Myelin sheath
E)	Axon terminal buttons

	In regards to positive emotions and health, it has been documented that positive emotions are linked to the release of what substance that plays a role in the early immune reaction to viruses and bacteria?
A)	Hemoglobin.
B)	<b>Cortisol.</b>
C)	Immunoglobulin A.
D)	Lymphocytes.

	Each of the following is a strategy for making punishment more effective EXCEPT:
A)	<b>Apply punishment swiftly... "Wait till your father gets home" is a mistaken strategy</b>

B)	Show your anger when punishing so the child knows you are serious
C)	Brief time out or short-term withdrawal of privileges can accomplish same result as spanking
D)	It is important to reinforce alternative appropriate behavior.
Information deteriorates most quickly from...	
A)	Explicit memory.
B)	Short-term memory.
C)	Sensory memory.
D)	Episodic memory.
_____ can occur when short term memory is filled to capacity and an incoming item pushes out an existing item which is then forgotten.	
A)	Displacement
B)	Temporary amnesia
C)	Senility
D)	Interruption
Savant syndrome describes a person having a severe developmental or mental handicap with extraordinary mental abilities not found in most people. In the film that we watched in class, Stephen Wiltshire had an exceptional ability to:	
A)	Write poetry and novels as a young child
B)	Play twenty musical instruments and over eight thousand songs from memory
C)	Create an accurate sculpture of any animal after catching a glimpse of it
D)	Produce a panoramic memory drawing of Rome after viewing it from a helicopter
E)	Produce music in his mind and then write and record it effortlessly
In terms of stress responses, cognitive appraisal refers to...	
A)	An individual's interpretation of a situation as harmful, threatening, or challenging
B)	The negative consequences that result from contact between two distinctive cultural groups
C)	A conflict in which the individual must choose between two unattractive alternatives
D)	A personality type which includes a sense of alienation and powerlessness
Which reflex below helps the new-born infant position its mouth onto its mother's breast when it feeds?	
A)	Rooting reflex
B)	Startle reflex
C)	Gag reflex
D)	Babinski reflex
Which statement below is <b>FALSE</b> ?	
A)	Alcohol enhances sexual arousal and performance, especially in males
B)	Combining barbiturates or tranquilizers with alcohol is extremely dangerous.
C)	Nicotine, caffeine, and cocaine are all stimulants
D)	Relapse rates are almost identical for alcoholics, heroin addicts, cocaine abusers, and smokers

	William James (1890)--" <i>To the infant, sounds, sights, touches, and pains, form one unanalyzed blooming, buzzing confusion.</i> " But that is absolutely incorrect. <b>Which of the following is LEAST developed at birth?</b>
A)	Vision
B)	Touch
C)	Hearing
D)	Reflexes
E)	Neurons
	In class, we watched a video in which a gorilla passed through a group of people passing a ball. People watching were asked to count how many times the ball was passed. The most important result of this video was that people...
A)	Saw the gorilla waving at them because it had the basketball
B)	People were able to count how many passes as long as they paid very close attention
C)	People were too focused on counting the passes to see the gorilla
D)	People were too distracted by the black team to accurately count the passes
	If you monitored a person's sleep pattern for an entire night, you would notice which relationship between deep sleep and REM sleep?
A)	During the early part of the night, there is less deep sleep.
B)	As the night progresses, deep sleep increases and REM sleep decreases.
C)	As the night progresses, deep sleep decreases and REM sleep increases.
D)	During the latter part of the night, there is less REM sleep.
	The umbilical cord, which joins the mother and fetus, allows for each of the following <b>EXCEPT</b> ...
A)	Allows the fetus to get nutrients from the mother
B)	Allows waste from the fetus to be transported out to the mother
C)	Allows oxygen from the mother to get to the fetus
D)	Allows the mother's blood to circulate through the fetus
	Which of the following is <b>FALSE</b> regarding prefrontal lobotomies?
A)	They are still a common surgical procedure today.
B)	A surgical instrument was inserted into the brain and rotated, severing neural fibres.
C)	Some subjects improved, but many were left in a vegetative state.
D)	The researcher who developed the procedure was awarded the Nobel Prize.
	After having fish for dinner, Sam became violently ill. Even weeks later, he could not tolerate the thought of eating fish. Sam had developed a(n)
A)	Taste aversion.
B)	Unconditioned response.
C)	Cognitive set.
D)	Selective response.
	Which type of stress will lead to most damage to the immune system?

A)	Acute stressors of brief duration
B)	Chronic stressors that last for a long time
C)	Perceiving a stressor as a challenge to be overcome
D)	Stress associated with positive circumstances (such as winning a lottery)
	If you slowly wave your finger or a pencil in front of you while staring straight ahead, you will see a shadowy image that trails behind the object. This is a simple demonstration of ...
A)	The operation of a false memory
B)	The operation of short-term memory
C)	The operation of sensory memory
D)	The operation of flashbulb memory
E)	The operation of eidetic imagery
	Our vestibular senses have to do with balance, position in space, and acceleration. This is what sometimes causes the feeling of motion sickness. What is the major sensory organ for these vestibular senses?
A)	The optic chiasm
B)	Fluid filled semi-circular canals in the ears
C)	The suprachiasmatic nucleus
D)	The fusiform gyrus
	Which of the following is the best description of the infant's brain at birth?
A)	All connections between neurons have formed already
B)	It has all of the dendrites it needs.
C)	It already contains 100 billion neurons.
D)	It has already grown to full adult size
E)	The brain is completely developed and fully functional
	Girls rule and boys drool...everybody knows this to be true. Even while in the uterus girls demonstrate that they are superior to boys because they....
A)	Are less influenced by the negative effects of teratogens
B)	Have more neurons and synapses
C)	Habituate much more quickly to vibroacoustic stimulation
D)	Produce more action potentials according to EEG monitoring studies
	Phobia is an irrational fear of a specific situation or object (e.g., spiders, heights) that persists even if there is no real risk to the individual. Which statement below is <b>FALSE</b> ?
A)	Many phobias begin as conditioned emotional responses to a previously neutral stimulus
B)	Stimulus generalization may broaden response to other stimuli
C)	Attitudes towards foods or ethnic groups may also be conditioned
D)	Phobias usually emerge when a person is in some real physical danger
	Which answer best describes what a person would experience if they were suffering from aphasia?
A)	Amnesia.

	B) A drastic change in one's personality.
	C) They would not recognize faces of familiar people.
	D) Problems with the sensory area of the brain, resulting in loss of "feeling".
	E) <b>Difficulty speaking, writing, reading or understanding spoken language.</b>
	What happens when melatonin secretion stops?
A)	Initiates an involuntary reflex of the knee
B)	Visual acuity switches to colour blindness mode
C)	Creates a stimulus that cannot be organized into a stable perception
D)	<b>The body wakes up from a sleeping state</b>
	During stress, cortisol is a steroid that is good for the body over the short term because it causes cellular fuel to move to muscles; however, high levels over the long term.....
A)	Decreases your appetite
B)	Decreases blood pressure
C)	<b>Suppresses the immune system</b>
D)	Decreases peripheral circulation
	Which of the following is true about the progression of language development in infants and children?
A)	Language acquisition is mainly due to simple reinforcement and imitation.
B)	Language and thought are separate and independent processes.
C)	Babbling is unique to North American babies.
D)	<b>Children all over the world develop language skills at the same time and in the same order.</b>
	If you were talking to a friend and describing your first kiss, which happened years ago, you would be relying on which type of memory for this information?
A)	Sensory memory
B)	<b>Episodic memory</b>
C)	Procedural memory
D)	Semantic memory
E)	Pseudo-memories
	Cocaine produces feelings of euphoria, power, energy, and pleasure within a few minutes after being taken. Which statement is <b>FALSE</b> ?
A)	Small amounts of cocaine were originally in Coca Cola
B)	Cocaine is quickly metabolized so its effects last only 15 to 30 minutes
C)	<b>Although cocaine is one the most addictive drugs, treatment has been very successful</b>
D)	After the "high" users of cocaine may "crash" into a period of depression.
E)	Crack is an intensified form of pure cocaine
	We saw a video of a woman who had an intense fear of clowns (clown phobia). When she saw the clown there was a high degree of physiological arousal...breathing faster, heart pumping, sweating, etc. Such a fear response usually occurs when someone is in physical danger. <b>What part of the brain is typically involved in this intense emotional response?</b>
A)	The limbic system

B)	The amygdala
C)	The nucleus accumbens
D)	The fusiform gyrus
E)	<b>A &amp; B are both correct</b>
	David J. Ross, a British Columbia man, claimed the RCMP used "subliminal messaging" technology to get inside his head something called a Neurophone to transmit "ultrasonic" waves into the brain. The judge said while the claims are "unusual and unconventional," the defendants didn't successfully argue their petition to have it dismissed. Which statement below is most likely correct?
A)	It is likely that we are all under surveillance from the government
B)	<b>It is likely that David J. Ross was suffering from schizophrenia</b>
C)	It is likely that the judge was suffering from obsessive-compulsive disorder
D)	It is likely that the RCMP were using subliminal messaging and the Neurophone
E)	It is likely this was just a prank and not a serious charge
	<b>Which ONE of the following statements about early development of language is FALSE?</b>
A)	Infants use gestures to communicate before they use words
B)	Language is in our genes and so does not depend on experience or environmental stimulation
C)	Responsibility for most verbal functioning is mainly to left hemisphere
D)	<b>Prelinguistic vocalizations such as cooing and babbling do not represent objects or events</b>
	Systematic desensitization involves...
A)	Telling phobic people that they are being irrational
B)	Assuring phobic people that their fears are legitimate
C)	<b>Exposing phobic people gradually to feared stimuli while they stay calm and relaxed</b>
D)	Ensuring that phobic people will never have to encounter their fear
	In studies looking at intelligence, identical twins have a much stronger correlation than do fraternal twins. This result demonstrates that...
A)	Family environment or experience is the strongest influence on intelligence
B)	<b>Genetics or heredity is the strongest influence on intelligence</b>
C)	Supports the idea of reciprocal determinism
	Which statement below about infant memory is <b>FALSE</b> ?
A)	Studies of infant habituation show they do remember an image or object presented to them on repeated occasions
B)	Infants 2 to 4 months old who learned to kick so that a mobile would move remembered the mobile weeks later
C)	When using hypnosis and age regression with adults, they can remember events from their first year of life
D)	It is rare to find adults who have memories of events that happened to them before 2 ½ years of age
E)	Infants quickly learn to recognize the faces of their parents showing that they learn and remember

	During a small experiment in class you had to remember such words as SNORE, REST, BED, and so on. The word SLEEP was not on the list and yet many people remembered it as being there. This demonstration shows:
A)	How false memories or distortion may occur
B)	How elaborative rehearsal can be used to improve memory
C)	How information moves from short-term to long-term memory
D)	The serial position effect which means that early words in a list are remembered more easily
	Some people show little risk of becoming ill after exposure to chronic stress because...
A)	They may interpret stressors as challenges
B)	They focus their attention to external cues
C)	Stress is in the eye of the beholder
D)	May be due to malfunction of the adrenal gland
E)	Both A and C are true
	In class, we discussed the story of "A Surgeon's Life" – the tale of a surgeon who suffered from Tourette's syndrome. He would throw things, touch things again and again, flail, jump and jerk about. What was so remarkable about this tale was that he became a successful surgeon. How was this possible?
A)	During surgery all of the symptoms disappeared
B)	He instructed a fellow surgeon on how to perform the surgery
C)	The story was fictional (not true)
D)	The surgery was performed by electronic means (without physically touching the patient)
E)	He was tranquilized during surgery to relieve his symptoms
	As discussed in class there was a baby named Albert who was conditioned to be afraid of rats. This occurred because every time he would see the rat there would be a loud bang that would scare him. Albert also became afraid of anything that was similar to the rat such as rabbits and dogs. This is an example of what?
A)	Extinction
B)	Discrimination
C)	Spontaneous Recovery
D)	Generalization
E)	None of the above
	<i>"Mick Jagger wants to marry me. If I have Mick Jagger, I don't have to covet Geraldo Rivera. Mick Jagger is St. Nicholas and the Maharishi is Santa Claus. I want to form a gospel rock group called the Thorn Oil, but Geraldo wants me to be the music critic on Eyewitness News, so what can I do? Got to listen to my boyfriend. Teddy Kennedy cured me of my ugliness. I'm pregnant with the son of God. I'm going to marry David Berkowitz and get it over with. Creedmoor is the headquarters of the American Nazi Party. They're eating the patients here.</i> <b>THESE STATEMENTS MOST LIKELY REFLECT WHAT KIND OF DISORDER?</b>
A)	Phobias
B)	Obsessive-compulsive disorder
C)	Generalized anxiety disorder
D)	Bipolar disorder
E)	Schizophrenia

	What two groups are important to include in experimental research?
A)	Male and female participants
B)	Control group and experimental group
C)	Sample and population
D)	Objective and unbiased samples
	What is considered to be the first stage or milestone in language development?
A)	Babbling
B)	Two-word sentences
C)	Telegraphic speech
D)	First word
E)	Burping
	Images appear on retina in two-dimensional form but we see the world three dimensionally because of...
A)	Retinal disparity (slightly different images of same object are received by our two eyes)
B)	Figure-ground relationship identified by Gestalt psychologists
C)	What and where parallel processing system
D)	The interaction of information from rods and cones
E)	Mechanoreception
	Tiger Woods probably relies mainly on which type of memory while playing golf?
A)	Procedural
B)	Declarative
C)	Semantic
D)	Iconic
	Hundreds of years ago, people with mental disorders were thought to be possessed by the devil or evil spirits. One of the earliest known attempts to treat these disorders involved:
A)	Putting leeches on the skin to suck out or remove "bad blood"
B)	Having patients walk on fire to cleanse the body and soul of the evil spirits
C)	Drilling holes in the person's skull to allow the evil spirits to leave
D)	Immersing people in holy water for several minutes almost to the point of drowning
E)	All of the above
	The movie Gattaca shows what genetic engineering may be able to accomplish in the future. They would be able to control a variety of factors. Which of the following is EASIEST to control using present-day procedures?
A)	Intelligence
B)	Heart disease
C)	Height
D)	Gender
E)	All would be equally easy to control

	According to research, what conclusion can be drawn about hypnosis and memory?
A)	Most of the information recalled under hypnosis is correct.
B)	Most of the information recalled under hypnosis is incorrect.
C)	Subjects have little confidence in the information they recall while hypnotized
D)	<b>Subjects remember both more correct and more incorrect information</b>
	REM sleep is considered “paradoxical” because:
A)	Brain activity is low but eye movement is high.
B)	Brain activity is low, but muscle activity is high.
C)	Eye movement becomes rapid and brain activity is high.
D)	<b>The brain is very active, but body muscles are paralyzed.</b>
	The autonomic branch of our nervous system controls each of the following <b>EXCEPT</b> ...
A)	Heartbeat
B)	Breathing
C)	<b>Running</b>
D)	Digesting
E)	Sweating
	When we sense a stressor, the _____ sends a signal to the autonomic nervous system and to the _____, thus stimulating several physiological changes associated with the fight-or-flight response.
A)	Amygdala...limbic system
B)	Neurotransmitters...synapse
C)	<b>Hypothalamus...pituitary gland</b>
D)	Pituitary gland...motor cortex
E)	Hippocampus...amygdala
	Activity within the brain of someone experiencing passionate love is very similar to a brain that is...
A)	Schizophrenic
B)	Getting too little oxygen (anoxia)
C)	Suffering from early stages of Alzheimer’s
D)	Experiencing brain waves like those during REM (dreaming)
E)	<b>Addicted to heroin or cocaine</b>
	Infants love different types of visual stimulation including all of the things listed below. But which object do young infants probably enjoy looking at the most?
A)	Colours
B)	Toys
C)	<b>Faces</b>
D)	Shapes
E)	Books
	The Simon game consists of the device lighting up one or more buttons in a random order, after

	which the player must reproduce that order by pressing the buttons. Most people played the Simon game in class. There were only a very few high scores most likely because...
A)	So many buttons would light up that it was too much information to keep in short-term memory
B)	The game moved quickly and there was not enough time to move the information into long-term memory
C)	The game's colours and tones produced so much information that sensory memory was overloaded
D)	<b>A &amp; B are both TRUE</b>
E)	All of the above are TRUE
	William lives in fear that foreign spies will abduct him. He knows that he possesses military secrets that they need, even though he cannot remember what they could be. He has attempted to tell the police of the danger that is everywhere, but they do not take him seriously. Which of the following types of schizophrenia most likely affects William?
A)	Catatonic schizophrenia
B)	<b>Paranoid schizophrenia</b>
C)	Undifferentiated schizophrenia
D)	Disorganized schizophrenia
	What is the point-to-point mapping when referring to the brain's somatosensory system?
A)	The way the neurons communicate in the central nervous system.
B)	<b>The relation between a part of the body and a location on the cerebral cortex.</b>
C)	All the synapses between the neurons in the cerebral cortex.
D)	Surgery on patients with severe epilepsy using only local anesthetic.
E)	The transduction of sensory information
	In humans, the most ancient part of the brain (sometimes called the reptilian brain) is the _____ and the most recently developed part of the brain is the _____
A)	<b>Brainstem.....cerebral cortex</b>
B)	Sympathetic system.....parasympathetic system
C)	Brainstem.....cerebellum
D)	Somatic nervous system...central nervous system
	Many parents spank their children but most experts believe that such punishment should be avoided. Each of the following is a problem with spanking <b>EXCEPT</b> :
A)	Spanking or hitting may be imitated by children.
B)	Spanking may instill fear or avoidance of parent.
C)	<b>Spanking very frequently leads to enuresis (which is bedwetting)</b>
D)	Punishment tells people what not to do rather than what to do.
	Although it has already undergone an amazing amount of development, the brain of a newborn baby is still very much a work-in-progress. What are the most significant events in postnatal brain development?
A)	Neuron formation and migration
B)	<b>Myelination and forming new synapses or connections</b>
C)	Development of grey matter and white matter

D)	Left and right hemispheric specialization
E)	All of the above
	In one video we saw a pigeon in a glass cage that had learned to peck at a screen to get food. The pigeon would only peck at the screen when it saw a picture of a tree; other objects on the screen (e.g., car) were ignored because they were not associated with food. This complex behavior was the end of a long training process. Which of the items listed below would be the first step in the training process?
A)	Rewarding the pigeon for moving close to the screen
B)	Rewarding the pigeon for pecking the screen
C)	Rewarding the pigeon for pecking pictures of trees
D)	Not rewarding the pigeon for pecking at pictures that are not trees
	You do not have your usual amount of REM sleep for several nights because of stress-induced insomnia. Exams end, stress levels drop, and your mild insomnia then disappears. <b>To make up for the lost REM sleep, what will you show for the next several nights?</b>
A)	More stage 4 sleep
B)	Dyskinesia
C)	<b>REM rebound</b>
D)	Narcolepsy
E)	Sleep apnea
	Read the letters below...put them into short-term memory and keep them there for as long as possible. <b>P X L M R</b> Now look at the symbols below and keep them in short-term memory as long as possible. <b>¶ ϕ ю д ξ</b> This demonstration from class shows that...
A)	We can keep only 7 bits of information in short-term memory (working memory)
B)	Short-term memory (working memory) gets all of its information from sensory memory
C)	Sensory memory only retains information for less than a second
D)	<b>Short-term memory (working memory) uses information from sensory memory and past experience</b>
	<b>Which of the following statements about identical and fraternal twins is TRUE?</b>
A)	On rare occasions, identical twins do NOT have identical DNA
B)	<b>Fraternal twins are no more genetically alike than brothers or sisters</b>
C)	When one identical twin gets an inherited disease, so does the second twin
D)	Fertility drugs have increased the frequency of identical twins
	After a number of panic attacks, victims often become apprehensive, wondering when their next panic will occur. Their concern about exhibiting panic in public may escalate to the point where they are afraid to leave home. This may develop into...
A)	<b>Agoraphobia</b>
B)	Catatonia
C)	Obsessive-compulsive disorder


D)	PTSD (Post-traumatic Stress Disorder)
E)	Dissociative disorder
Each of the following is a type of long-term memory <b>EXCEPT</b> :	
A)	<b>Sensory memory</b>
B)	Semantic memory
C)	Episodic memory
D)	Procedural memory
What is the name of the specialized chemicals that carry information from the axon terminal button, across the synaptic gap to the next neuron?	
A)	<b>Neurotransmitters</b>
B)	Synaptic vesicles
C)	Receptors
D)	Myelin sheath
E)	Action potentials
Perception depends heavily on the selection of sensory input or in other words, what people focus their attention on. A visual scene may contain many objects, some may capture our attention and others not. In one video a man and woman showed us a card trick but as we carefully watched the cards, most of us did not notice...	
A)	The cards were actually all the same colour and not black and red as in a normal deck
B)	<b>The man and woman changed their shirts to a different colour</b>
C)	The man that started the trick was different from the man who finished it
D)	There were several people in the background throwing pies at each other
Which of the following would best describe a situation involving the use of your semantic memory?	
A)	Remembering how to ride a bicycle.
B)	Trying to push an embarrassing memory out of you awareness.
C)	The conditioned response of knowing that when the school bell rings, your class is over for the day.
D)	<b>Knowing that 9 x 3 equals 27</b>
What do barbiturates have in common with alcohol?	
A)	They are stimulants.
B)	<b>They are depressants.</b>
C)	They are opiates.
D)	They are antidepressants.
Pigeons have been trained to distinguish impressionist works by Monet and cubist creations by Picasso achieving a success rate of 90 per cent. This shows that...	
A)	<b>Pigeons are able to think and reason much like people</b>
B)	Pigeons have a highly developed cerebral cortex
C)	Disproves the Whorf hypothesis that thought is dependent on language

D)	Pigeons can learn complex behaviours if they are rewarded
	Based on our discussion of firewalking, which of the statements below is MOST CORRECT?
A)	Almost anyone can do the firewalking because it is safe for the vast majority of people
B)	Only if you are in a hypnotic trance can you do the firewalking
C)	Only if you have certain supernatural powers can you do the firewalking
D)	Only if you are trained to focus your mind and ignore the pain can you do the firewalking
	Phobia is an intense fear that persists even if there is no danger... irrational fear of a specific situation or object. Which statement is FALSE?
A)	It is quite possible develop phobias of harmless objects such as balloons, peaches, and clown
B)	When Little Albert first saw the white mouse he was afraid of it
C)	Phobias can be learned vicariously (e.g., a child sees his mom scream when she sees a spider or snake)
D)	Phobia involves an intense physiological arousal (fear response)
	Which statement below about the visual system is FALSE?
A)	Cones are ineffective at night when there is little light
B)	Images on the retina are upside down but brain allows us to see image correctly
C)	Retina has approximately equal number of rods and cones
D)	Central part of the retina (fovea) contains only cones
	The mother and fetus are connected by the umbilical cord. Each of the following effects will occur EXCEPT:
A)	If the mother has cancer, the fetus will be infected and be born with cancer
B)	If mother drinks, uses drugs, or smokes, the fetus will receive these substances
C)	Maternal blood flow into the placenta delivers oxygen and nutrients
D)	If mother eats spicy foods the taste and smell will eventually get into the amniotic fluid
	A child less than 8 months of age can be surprised by disappearance / reappearance of a face (peek-a-boo). This may occur because the child...
A)	May not have yet developed object permanence
B)	Has poorly developed memory skills
C)	May be exploring their own bodies and senses
D)	Is imitating what they observe
E)	Is experiencing parasympathetic arousal
	One of these things is not like the others. One of these things just doesn't belong. Can you tell me which thing is not like the others, before I finish my song?
A)	Valium
B)	Caffeine
C)	Cocaine
D)	Nicotine
E)	Amphetamines

	The suprachiasmatic nucleus (SCN) located in hypothalamus synchronizes daily cycles based
A)	On adequacy of sleep
B)	<b>On light input from the retina</b>
C)	On caloric intake
D)	On blood glucose levels
	The dramatic increase in neuron connections observed in healthy children during the first 2 years of life would most strongly imply which of the following?
A)	<b>Appropriate stimulation during infancy facilitates brain development.</b>
B)	Infants should be fed only when they appear hungry.
C)	Young infants cannot process much information.
D)	Brain development is a physical event; changes will occur regardless of experience.
	Sally and Bob are both part of our psychology class. They both studied the same amount of time for this test, but Bob studied this morning before he came to class, where as Sally spent time last night studying and got a full nights sleep. It is very likely that Sally will get a better mark on this test because
A)	It has been shown that females typically perform better on psychology tests
B)	<b>Sleep is used to consolidate learning and memory</b>
C)	The visual perception that Sally took in the night before will be transferred into long term memory overnight
D)	Bob will be exhausted from the early morning studying

## Review Questions for Midterm (Introductory Psychology) U

	The movie Gattaca shows what genetic engineering may be able to accomplish in the future. They would be able to control a variety of factors. Which of the following is EASIEST to control using present-day procedures?
A)	Intelligence
B)	Heart disease
C)	Height
D)	<b>Gender</b>
E)	All would be equally easy to control
	How do <b>identical</b> twins develop?
A)	One egg is fertilized by two different sperm
B)	Two eggs are fertilized by a single sperm
C)	Two eggs are fertilized by two different sperm
D)	<b>One egg is fertilized but the embryo splits into two separate parts</b>
	The nature vs. nurture debate has been ongoing for several decades. What does this debate refer to?
A)	The pattern of change that begins at conception vs. biological response to the changes
B)	The interwoven process of socio-emotional changes vs. personality characteristics
C)	<b>The influence of genetic inheritance vs. the environment a person was brought up in</b>
D)	Cognitive abilities role during the development process in adolescents vs. parental influence

	If someone cuts you off while driving and you give them the finger, _____ makes your hand and finger move while the flash of anger is linked to a burst of activity in _____
A)	Sympathetic system...parasympathetic system
B)	Broca's area...Wernicke's area
C)	Left hemisphere...right hemisphere
D)	Parietal lobe...occipital lobe
E)	<b>Somatic system...autonomic system</b>
	In humans, the most ancient part of the brain (sometimes called the reptilian brain) is the _____ and the most recently developed part of the brain is the _____
A)	<b>Brainstem.....cerebral cortex</b>
B)	Sympathetic system.....parasympathetic system
C)	Brainstem.....cerebellum
D)	Somatic nervous system...central nervous system
	Modern technology has made it possible for amputees to participate in activities otherwise reserved for individuals with functioning limbs. How do these bionic arms operate?
A)	<b>The bionic limb will move whenever the client thinks about a specific movement or action</b>
B)	Nerves attached to the spinal cord use monosynaptic reflexes to redirect the impulse to the robotic limb
C)	Microchip implants in the cerebral cortex attach to the electrodes of the bionic arm
D)	A control panel on the shoulder joint contains preprogrammed movements initiated by client's thoughts
	Which of the following statements about myelination is <b>FALSE</b> ?
A)	The myelin sheath surrounds the axons
B)	The myelin sheath allows faster transmission of nerve impulses
C)	<b>Myelination is completed prior to birth while billions of neurons are formed</b>
D)	Multiple sclerosis destroys myelin and disrupts neuronal communication
	The procedure for testing the genetic makeup of a very early embryo is called...
A)	In vitro fertilization
B)	Amniocentesis
C)	<b>Pre-implantation genetic diagnosis</b>
D)	Chorionic villus sampling
E)	Magnetic resonance imaging
	When Bruce banner becomes angry he turns into the Incredible Hulk, a green superhero who is extremely strong but also beast-like. Bruce Banner got these powers after he was exposed to a blast of ionizing gamma radiation that altered his DNA. <b>If the Hulk had four children, what is the likelihood that they would they look like baby Hulks (green and mean)?</b>
A)	<b>None of the children would look like the Hulk</b>
B)	Only the male children would look like the Hulk
C)	Half of the children (male or female) would look like the Hulk
D)	All of the children would look like little Hulks
	
	If a male fetus (XY chromosomes) has Androgen Insensitivity Syndrome, which of the following <b>won't happen</b> ?

- A) External genitals develop along female lines (a vagina).
- B) **They do not menstruate and are infertile.**
- C) They develop female internal organs (uterus and ovaries).
- D) They are typically raised as females and have a female gender identity.

Which statement is TRUE?

- A) The ovum can live up to six days after entering the fallopian tube.
- B) Twins are conceived when two sperm enter the ovum at the same time.
- C) Sperm can live up to six days after entering the fallopian tube.
- D) **X sperm are much larger than Y sperm.**

Roger claims that he never dreams. Which of the following is **MOST CORRECT**?

- A) **He never experiences REM sleep.**
- B) He doesn't get enough sleep.
- C) He doesn't remember his dreams.
- D) He never experiences delta waves.
- E) He should have a somnography test immediately.

Lesioning and deep brain stimulation (DBS) have both been used to treat disorders related to motor control. Which statement is TRUE?

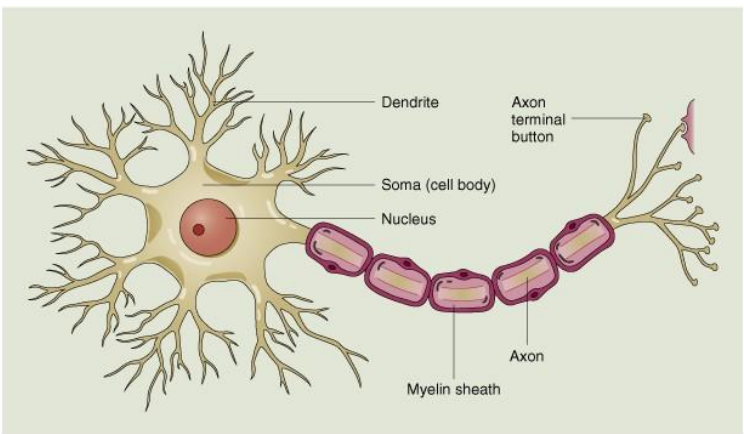
- A) Lesioning means that a small part of the brain is removed or destroyed
- B) DBS is used to produce small epileptic seizures in the right hemisphere of the brain
- C) **Parkinson's disease can now be cured through the use of DBS procedures**
- D) Lesioning affected patients' memory while DBS does not

Infants love different types of visual stimulation including all of the things listed below. But which object do young infants probably enjoy looking at the most?

- A) Colours
- B) Toys
- C) **Faces**
- D) Shapes
- E) Books

Which part of the neuron releases the neurotransmitters?

- A) Dendrites
- B) Nucleus
- C) Axon
- D) Myelin sheath
- E) **Axon terminal buttons**




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A polygraph or lie detector is a device that measures a person's physiological responses (e.g., heart rate, breathing, blood pressure) as they are being questioned about a crime. Why are these frequently inaccurate?

A)	Because most people know how to fool the machine
B)	Because the computers they connect to cannot analyze the data quickly enough
C)	<b>Because people may get anxious and stressed even they did not commit a crime</b>
D)	Because baseline values of GSR, heart rate, and respiratory rate are different for everyone
	In class we talked about the Liberation Treatment that is being viewed by the media as a miracle cure for multiple sclerosis. At this stage, what should we do about this “miracle” treatment?
A)	<b>Do a careful experimental study to determine if the treatment really works</b>
B)	Provide the treatment to everyone with MS through medicare
C)	Let people pay for this service on their own if they really want it
D)	Talk to a few patients who have had the procedure done to see if it works
E)	Trust Zamboni’s cure because it was created out of love (and love conquers all)
	Which statement about the spinal cord is <b>FALSE</b> ?
A)	The human spinal cord is protected by the bony spinal column made up of bones called vertebrae
B)	When the spinal cord is injured, a patient will suffer varying degrees of paralysis
C)	<b>Spinal cord damage can be reversed through neurogenesis</b>
D)	A spinal cord injury may result from disease or from trauma due to accidents
	Many behaviours and characteristics are influenced by genetics (heredity) and also environment (experience). Separating the effect of genes from the effect of environment is very difficult. The typical method used to investigate this topic is ...
A)	Genealogy analysis
B)	Analysis of evolutionary data
C)	Studies of twins and adopted children
D)	Family histories
E)	<b>Genetic analysis</b>
	Some families have all male children and some have all female children. Virtually every semen sample that has been tested finds that...
A)	<b>All men have equal numbers of X and Y sperm</b>
B)	All men have more Y sperm leading to more males being conceived
C)	All men have more X sperm
D)	When all children in the family are girls there are more X sperm
E)	When all children in the family are boys there are more X sperm
	Some children are by nature, inhibited (shy, easily upset) Which of the following statements is most correct?
A)	The pituitary gland is underactive in these children.
B)	<b>Inhibition is genetic and cannot be influenced by the individual’s environment.</b>
C)	The amygdala & hypothalamus may be more sensitive and likely to respond in these children.
D)	Children that are inhibited have a lower heart rate and lower blood pressure.
	Huntington’s disease is a dominant gene disorder. Which statement about Huntington's disease is <b>FALSE</b> ?
A)	A father who has the Huntington’s gene will pass it on to half of his children
B)	<b>As a dominant disorder, it will affect males more than females</b>
C)	Symptoms of the disease usually start around age 40
D)	Huntington’s is untreatable and incurable...always leads to death

	Phenylketonuria (PKU) is one of the most common recessive disorders. All US states and Canadian provinces require that each newborn be given a blood test for PKU. What does PKU affect?
A)	The ability to see colour.
B)	<b>The way the body breaks down proteins in many foods.</b>
C)	Memory, speech and motor development.
D)	The embryo's development of arms, legs, and less frequently ears, heart and kidneys.
E)	Birth weight and breathing difficulties.
	In class we saw a video of two people on a roller coaster ride. <b>This was intended to show that...</b>
A)	Physiological arousal is linked to emotions
B)	<b>Two people may interpret the exact same experience as positive or negative</b>
C)	Some people can use meditation to control or reduce their arousal
D)	Fear cannot be controlled no matter how hard we try
E)	The amygdala overpowers the rational part of the brain
	On May 27, 1995, Christopher Reeve became a quadriplegic after being thrown from a horse in an equestrian competition. He required a wheelchair and breathing apparatus for the rest of his life. <b>Which statement is FALSE?</b>
A)	<b>He received an injection of stem cells but it did not work due to rejection by his immune system</b>
B)	He shattered his first and second vertebrae producing extremely serious spinal cord damage
C)	After intense physical therapy he regained some muscle control (moving fingers and walking in a pool)
D)	Damage to his brainstem made it impossible for him to breathe on his own
	The Human Genome contains about...
A)	<b>25,000 genes</b>
B)	100,000 genes
C)	500,000 genes
D)	1 million genes
	Which reflex below helps the new-born infant position its mouth onto its mother's breast when it feeds?
A)	<b>Rooting reflex</b>
B)	Startle reflex
C)	Gag reflex
D)	Babinski reflex
	A person who has Androgen Insensitivity syndrome will...
A)	Be born with the appearance of a man but will not have male genitals
B)	Will be born with the appearance of a female and will have XX chromosomes
C)	Will be born with the appearance of a female but will have male genitals
D)	Will have the external genitals of a female but will have no uterus or ovaries
E)	<b>Both B and D are correct</b>
	A young child who squeals with joy when playing the "Peek-A-Boo" game may:
A)	Be exploring their own bodies and senses
B)	Have poorly developed memory skills
C)	<b>Not have yet developed object permanence</b>
D)	Be imitating what they observe
E)	Be experiencing parasympathetic arousal
	According to Jerome Kagan (1990), certain personality characteristics are innate... children between the ages of one and three who are consistently inhibited and may grow up with these same tendencies.

A)	This low threshold for arousal may be due to dopamine and serotonin
B)	<b>This low threshold for arousal may be due to the amygdala and the hypothalamus</b>
C)	This low threshold for arousal may be due to the axon and myelin sheath
D)	This low threshold for arousal may be due to damage in the frontal lobe
	Even for something as simple as picking up a glass of water, a complex array of information is required and yet we make such movements all the time without even thinking of them. Which area is <b>NOT INVOLVED</b> when you pick up a glass of water, take a drink, and then put it back on the table?
A)	Visual cortex
B)	Motor cortex
C)	Sensory cortex
D)	Cerebellum
E)	<b>All of the above are involved</b>
	Antidepressants such as Prozac (SSRIs) work by increasing brain levels of serotonin. How do they accomplish this task?
A)	<b>Slows down the reuptake (or recycling) of serotonin so it remains in the synapse for a longer time</b>
B)	Acts directly on receptors so they are more likely to receive messages from the neurotransmitters
C)	Acts directly on axons where vesicles burst and empty their neurotransmitters into the synapse
D)	There is serotonin in Prozac which is then delivered to the brain
	Which statement is TRUE about action potentials?
A)	<b>They are generated in an all-or-none fashion.</b>
B)	Travel more slowly as the incoming stimulation weakens.
C)	These electrical pulses travel down the axon and jump across top the next neuron.
D)	Become stronger as the incoming stimulation intensifies.
	The number of connections between neurons in the cerebral cortex, peaks in the first few years of life, then declines by one third between early childhood and adolescence. This decline is a result of...
A)	Synaptogenesis
B)	<b>Synaptic pruning</b>
C)	Neuron migration
D)	Deep brain stimulation
E)	Neurogenesis
	An infant's smiling and laughter play important roles in social development. What is one major function?
A)	They show the increasing development of the baby's personality
B)	They assist in the development of the baby's self-awareness
C)	<b>These positive interactions help develop the bond between mother and child</b>
D)	They develop the child's imitation skills
	What is the name of the specialized chemicals that carry information from the axon terminal button, across the synaptic gap to the next neuron?
A)	<b>Neurotransmitters</b>
B)	Synaptic vesicles
C)	Receptors
D)	Myelin sheath
E)	Action potentials
	In research, what is one way to eliminate experimenter bias, observer bias, or participant bias?

A)	Use a lie detector to identify dishonesty
B)	Use single blind or double blind procedures
C)	Use MRIs to monitor brain activity
D)	Use objectively designed questionnaires
E)	Use sophisticated statistical analyses
	This picture from the notes showing this very young infant underwater BEST demonstrates which of the newborn's reflexes?
A)	Babinski or fanning toes when foot is stroked
B)	Naturally hold breath and contract throat to keep water out
C)	Walking or stepping reflex
D)	Rooting reflex (turning head and opening mouth when touched on cheek)
E)	Grasping reflex (e.g., grasping mother's finger)
	
	Canadians, especially those living farther north, are vulnerable to seasonal affective disorder in the winter because
A)	Being locked in doors all winter causes "cabin fever."
B)	The long nights disrupt circadian rhythms.
C)	Temperatures drop below healthy levels.
D)	Bacterial infections run rampant when you are locked inside all day.
	Which of the following statements about REM and dreams is FALSE?
A)	All dreams take place during REM sleep.
B)	If people are awakened during REM sleep they will usually say that they were dreaming.
C)	The longer the REM period, the more likely the person will report dreaming.
D)	The duration of REM sleep increases during the sleep cycle.
	Which of the following statements about myelination is <b>FALSE</b> ?
A)	The myelin sheath is a fatty substance that surrounds the axons
B)	The myelin sheath allows faster transmission of nerve impulses
C)	Myelination is completed prior to birth while billions of neurons are formed
D)	Multiple sclerosis destroys myelin and disrupts neuronal communication
	Researchers divided volunteers into two groups and assigned one group to practise juggling for three months. The scientists performed brain scans on the volunteers using magnetic resonance imaging (MRI). Brain scans were taken before anyone practised juggling, three months after the jugglers practised, and three months after the jugglers stopped practising. Which statement below is FALSE?
A)	Before they practiced juggling, brain scans showed no differences between the two groups of volunteers
B)	After they practiced juggling for three months, MRIs showed increased brain growth in some areas
C)	Volunteers who did not practise juggling showed no difference in their brain scans over the study period
D)	Even three months after the jugglers stopped practising, there was continued brain growth in some areas
	Trying to explain human behaviour is not something new. People have been trying to do this for thousands of years before development of psychology and the scientific method. <b>In ancient times this desire to explain the causes of behaviour led to which of the following?</b>
A)	Language and writing
B)	Superstitions and myths
C)	Data and surveys
D)	Historical accounts

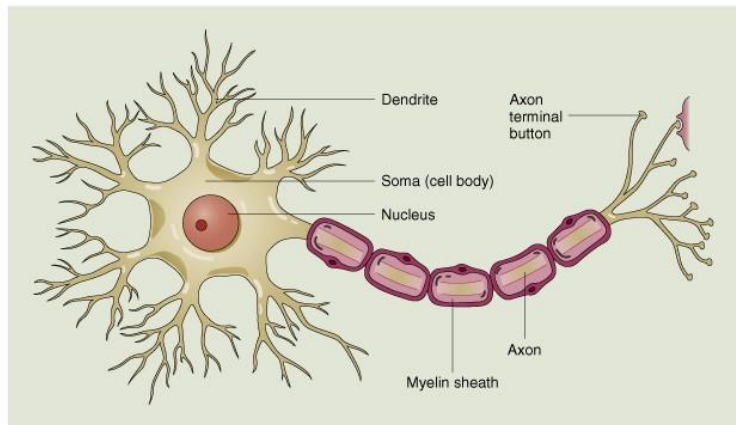
	What is the major purpose of the double blind procedure in medical research?
A)	To test more than one variable at a time
B)	To repeat the results of a previously published work
C)	To define a hypothesis clearly before it is tested
D)	To eliminate researcher and patient bias
E)	A and B are both TRUE
	Which animal has the LARGEST brain?
A)	Whales
B)	Dolphins
C)	Elephants
D)	People
E)	Chimpanzees
	In a classic experiment, Olds and Milner attached an electrode to a rat's hypothalamus so they could administer mild shocks directly to the brain. What was the main result when the rat received shocks to this area?
A)	The rat avoided going into the corner of the cage where it received the shocks
B)	The rat was willing to press a bar thousands of times to receive the shock
C)	The rat gained a significant amount of weight
D)	The rat gave up trying to escape showing symptoms of "learned helplessness"
	The old saying "don't cram the night before an exam" is true because?
A)	Sleeping allows you to process and consolidate your newly learned material
B)	Sleeping lets you dream the scenarios of your newly learned information
C)	Sleep allows you to get up earlier and cram just before so it is fresh in your mind
D)	Sleeping recycles the last 100 things you think about before you sleep to make up your dreams
	Which of the following statements about PKU (phenylketonuria) is <b>FALSE</b> ?
A)	If the disease is found the baby is immediately placed in an incubator
B)	All US states and Canadian provinces require that each newborn be given a blood test for PKU
C)	PKU affects the way the body breaks down proteins in many foods
D)	If untreated, it can cause problems with brain development leading to mental retardation
	During which period is the embryo/fetus most at risk from the effects of teratogens?
A)	Just before fertilization the sperm and egg are easily damaged by teratogens
B)	During the period of embryo (3-8 weeks after conception)
C)	During the period of fetus (last three months of pregnancy)
D)	During the postnatal period (first week after birth)
	The picture shows Kim Petras, a German pop star. Genetic tests would show that she has...
A)	XY sex chromosomes
B)	XX sex chromosomes
C)	XXX sex chromosomes
D)	YYYY sex chromosomes



	Fetal alcohol syndrome (FAS) is known to cause lifelong deficits and impairment because . .
A)	Alcohol does not have the ability to cross the placenta barrier
B)	Alcohol produces an accumulation of acetylcholine which leads to motor impairment
C)	Because the fetus metabolizes alcohol at a rapid rate
D)	Because the fetus becomes alcohol dependent
E)	<b>Alcohol damages the developing brain cells of the fetus</b>

	Modern technology has made it possible for amputees to participate in activities otherwise reserved for individuals with functioning limbs. How do these bionic arms operate?
A)	<b>Redirected nerves are connected to electrodes attached to the bionic limb which operates when the client thinks about the specific movement</b>
B)	Nerves attached to the spinal cord use monosynaptic reflexes to redirect the impulse to the robotic limb
C)	Microchip implants in the cerebral cortex attach to the electrodes of the bionic arm
D)	A control panel on the shoulder joint contains preprogrammed movements initiated by client's thoughts

	Which part of the neuron FIRST receives action potentials (messages) from other neurons?
A)	<b>Dendrites</b>
B)	Nucleus
C)	Axon
D)	Myelin sheath
E)	Axon terminal buttons




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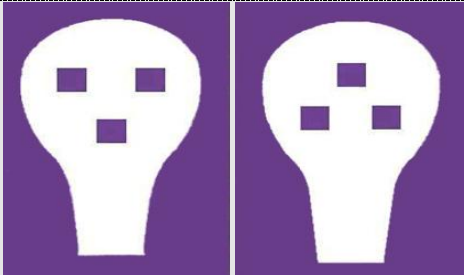
	John B. Watson, the creator of behaviourism, believed that psychology should focus on the study of observable behaviour. Watson believed that _____ should <b>NOT be studied</b> ?
A)	<b>Mental processes</b>
B)	Biological factors
C)	Environmental factors
D)	Positive behaviours
E)	Classical conditioning

	A stroke occurs when an artery carrying blood to the brain becomes blocked causing some brain tissue to die. This may disrupt or damage language functions if the stroke occurs in . . .
A)	The lateral sulci or fissures
B)	<b>Broca's area or Wernicke's area</b>
C)	The right hemisphere
D)	The limbic system
E)	The parietal and occipital lobes

	Jean Piaget believed that all children pass through a series of distinct stages in intellectual development. He was convinced that intellect grows through processes he called:
A)	Observation and imitation.
B)	Parenting and peer influences.
C)	Expansion and prompting.

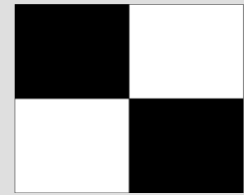
D)	Assimilation and accommodation.
E)	Nature and nurture.
	Which of the following is <b>NOT</b> a natural reflex that a newborn baby has at birth?
A)	Closing their eyes to the sound of their mother's voice.
B)	Holding their breath and contracting their throat to keep water out.
C)	Automatically beginning to suck when an object touches their mouth.
D)	Grasping tightly with their fingers when an object touches their palm.
	Another name for trisomy 21 is . . .
A)	Hemophilia
B)	PKU
C)	Down Syndrome
D)	Cystic fibrosis
	Molly Nash was born with Fanconi anemia a rare but fatal disease that causes destruction of the bone marrow. Both Linda and Jack Nash carry the gene for the disease, and there would have been a 25% chance of a second child inheriting the disorder. Based on this information, we can be sure that . . .
A)	Linda and Jack Nash will die as a result of having Fanconi anemia
B)	Linda and Jack Nash both have a recessive gene for Fanconi anemia
C)	Linda OR Jack Nash has a dominant gene for Fanconi anemia
	There were more than 10,000 thalidomide children born in the 1960s with birth defects. Which statement is <b>TRUE</b> ?
A)	Most died during the first year of birth
B)	Many reached adulthood but they were mentally retarded
C)	Many reached adulthood but were unable to have children due to infertility
D)	Many reached adulthood, married, and had normal children
E)	Many reached adulthood, married, and had children with birth defects
	Hans the clever horse was thought to have retained information taught to him by his owner Mr. Van Osten. How was Hans able to answer so many of the questions posed to him by others?
A)	Signals pre-determined between the horse and Mr. Van Osten
B)	Hans "clever" observations of facial cues and how people reacted
C)	His astounding mental capacity and ability to do mathematical calculations
D)	A series of memorized reactions
E)	By use of a very large calculator placed on the ground
	People who suffer from schizophrenia and people who suffer from Parkinson's disease both have either an imbalance or a loss of this neurotransmitter.
A)	Norepinephrine
B)	Dopamine
C)	Serotonin
D)	Prozac
E)	Morphine
	Which statement below about child self-awareness (or self-recognition) is <b>TRUE</b> ?
A)	Self-awareness occurs around the age of 18 to 24 months
B)	Self awareness occurs at the same time as object permanence (about 8 months)
C)	Due to infantile amnesia, self-awareness does not develop until 3 or 4 years of age
D)	Young chimpanzees pass the self-recognition test earlier than human infants do

	There are several methods or procedures that claim to be able to provide families with a baby that is the gender of their choice. Which method has the best chance of succeeding in this?
A)	<b>The Shettles Method.</b>
B)	Sperm sorting using fluorescence in situ hybridization (FISH).
C)	Sperm spinning (the Ericsson method).
D)	Pre-implantation genetic diagnosis.
	Object permanence usually develops in infants that are around 8 months old. The following is an example of an infant that <b>has developed object permanence</b> .
A)	The infant loves to play 'peek-a-boo' because they think you actually disappear and reappear.
B)	The infant had learned that kicking his leg will reward him with a wiggling mobile.
C)	The infant thinks that you cannot see them if they cannot see you.
D)	<b>The infant will search for his/her toy when it is covered by a blanket.</b>
	Several areas of the limbic system act as reward or pleasure pathways. The neurochemical most closely related to feelings of pleasure in these areas is...
A)	Endocannabinoids
B)	Acetylcholine
C)	Endogenous morphine
D)	<b>Dopamine</b>
E)	Arachidonic cascades
	Blind people often have lifelong sleeping problems because their retinas do not send information to the...
A)	Pineal gland.
B)	Visual cortex.
C)	<b>Suprachiasmatic nucleus.</b>
D)	Hippocampus.
E)	Optic chiasm.
	Each of the following is closely associated with dopamine <b>EXCEPT</b> ?
A)	<b>Multiple sclerosis</b>
B)	Schizophrenia
C)	Parkinson's disease
D)	Feelings of pleasure (e.g., from sex or drugs)
	Just in case you think it's the man the ducklings are following. Wrong - it's the dog that the ducklings are following... why are they doing this?
A)	The mother duck at back of the line is not in the picture
B)	<b>They have imprinted on the dog and think it is their mom</b>
C)	They have been trained to follow using food rewards
D)	The dog has adopted the ducklings and their mother
E)	It is a seeing eye dog... the duckling are blind
	
	Which of the following imaging techniques would be dangerous for someone with a metal plate in his arm or her leg?
A)	Electroencephalograph (EEG)
B)	Positronic emission tomography (PET scan)

C)	Magnetic resonance imaging (MRI scan)
D)	Computer assisted tomography (CAT scan)
E)	All of the above would be dangerous
	The umbilical cord, which joins the mother and fetus, allows for each of the following <b>EXCEPT</b> ...
A)	Allows the fetus to get nutrients from the mother
B)	Allows waste from the fetus to be transported out to the mother
C)	Allows oxygen from the mother to get to the fetus
D)	Allows the mother's blood to circulate through the fetus
	"The conscious mind may be compared to a fountain playing in the sun and falling back into the great subterranean pool of subconscious from which it rises." Which psychologist is most likely responsible for this quote?
A)	Sigmund Freud
B)	Max Wertheimer
C)	John Watson
D)	B.F. Skinner
E)	Abraham Maslow
	The _____ acts as a relay station for sensory messages on their way to the cortex (vision, hearing, taste, and touch). Thus even a small injury in this area can cause deafness, blindness, or loss of other senses.
A)	Sensory cortex
B)	Corpus callosum
C)	Cerebrum
D)	Thalamus
E)	Pituitary gland
	A child who reaches to find a toy hidden underneath a blanket has developed the concept of...
A)	Assimilation
B)	Self-awareness
C)	Curiosity
D)	Object permanence
E)	Exploration
	The vision of newborns has been tested using the figures shown below. What does this research show?
A)	Infants prefer the figure on the left
B)	Infants prefer the figure on the right
C)	Infants prefer both figures equally
D)	Infants have poor vision after birth and cannot see either figure
	
	Some characteristics like eye colour are determined by a single gene. Complex characteristics such as personality and intelligence are likely influenced by many different genes. This is called:
A)	Human genome
B)	Recessive genes
C)	Polygenic inheritance

D)	Dominant genes
E)	Meiosis
	Which of the following statements about identical and fraternal twins is TRUE?
A)	On rare occasions, identical twins do NOT have identical DNA
B)	<b>Fraternal twins are no more genetically alike than brothers or sisters</b>
C)	When one identical twin gets an inherited disease, so does the second twin
D)	Fertility drugs have increased the frequency of identical twins
	When Konrad Lorenz's goslings hatched and saw his face first, they followed him around as if he was their mother. What is this phenomenon called?
A)	Contact comfort
B)	<b>Imprinting</b>
C)	Identity vs confusion
D)	Maternal neglect
	In a 16 year study of adopted children, parent-child correlations for intelligence were conducted. There was essentially no correlation at all between IQ of adopted children and the parents who adopted. What does this study suggest?
A)	Those who adopted were less intelligent than those who had conceived the child.
B)	<b>There is a strong genetic component to intelligence.</b>
C)	That nurturing is supported in the nature/nurture debate.
D)	Intelligence needs both nurture and nature with a biological parent to gain full intellectual potential
E)	There is a strong nurturing aspect to intelligence.
	A disorder in which a person stops breathing while asleep is called...
A)	Narcolepsy
B)	REM atonia
C)	Somnambulism.
D)	<b>Sleep apnea</b>
E)	Respiratory distress syndrome
	In psychology, the evolutionary approach suggests that Darwin's ideas related to adaptation, reproduction, and "survival of the fittest" are important in explaining behaviour. While the origin of the giraffe's very long neck is still a bit of a mystery, current scientific thinking indicates that it is all about...
A)	Who can most easily see predators
B)	Who has the most vertebrae
C)	<b>Who gets to have sex with the female giraffes</b>
D)	Who has the longest legs
E)	Who can reach food in the tallest branches
	An MRI machine can be used to study brain activity by...
A)	<b>Using magnets to examine the depolarization process</b>
B)	Measuring increased blood flow within the brain
C)	Measuring irregular brain wave patterns
D)	Taking biopsies or small samples from the brain for analysis

	In class we saw a short video clip of someone who had split-brain surgery (the corpus callosum joining the left and right hemisphere had been cut). When he was shown the word "CAR" on the right side of the screen, the information went to his left hemisphere language centre and he was able to identify the word correctly. Later on he was shown a HAMMER on the right side of the screen and a SAW on the left side of the screen. He was able to identify the HAMMER correctly but had no conscious awareness of the SAW. <b>When he was told to close his eyes and use his LEFT hand to draw an image, what did he draw?</b>
A)	He drew a picture of the HAMMER because that is the object that he had seen
B)	<b>He was not conscious of having seen it but was able to draw the image of the SAW</b>
C)	He was unable to draw any picture because motor activities like drawing are lost after split-brain surgery
D)	He was able draw the image of the letters S...A...W...but could not read this word
	What happens when a young infant is shown a 2x2 checkerboard pattern on several occasions?
A)	Infant will ignore the pattern because it prefers colour
B)	Infant will ignore the pattern because it has very poor vision
C)	<b>Infant is interested at first but watches the pattern less and less over time</b>
D)	Infant will watch the pattern only if it is moving
	When looking at the intelligence of adopted children what do we find?
A)	They are correlated only with the adoptive family
B)	<b>They are correlated only with their biological family</b>
C)	They are correlated equally with the adoptive and biological family
D)	There is little correlation with the adoptive or biological family
	Which statement about X and Y chromosomes is <b>FALSE</b> ?
A)	They always are located on the 23 <sup>rd</sup> pair of chromosomes
B)	They are related to a variety of sex-linked disorders such as hemophilia
C)	<b>The Y chromosome has many more genes than the X chromosome</b>
D)	Men normally have X and Y chromosomes, while women have two X's
	Which of the following subjects will have the largest proportion of REM sleep in their sleep cycles?
A)	<b>Melissa, who is three months old</b>
B)	Annie, who is 10 years old
C)	Bill, who is 40 years old
D)	Josephine, who is 80 years old
	There is currently a case in Buffalo, New York where a young boy was born without a pons (or brainstem) and cerebellum. Which statement below is <b>FALSE</b> ?
A)	The brainstem is the oldest part and cortex is the newest part of the brain
B)	The brainstem controls many automatic functions like breathing, heart rate, and swallowing
C)	Lesions to cerebellum produce jerky movements, difficulty walking, loss of balance, shaking hands
D)	<b>The cortex is most important for survival...after damage occurs to areas of the cortex people usually die</b>
	In the case of Phineas Gage, the most famous patient to have survived severe damage to the brain, an accidental explosion of a charge he had set blew his tamping iron through his head. Most of the front part of the left side of his brain was destroyed. What happened after the accident?
A)	Phineas Gage recovered quickly and resumed work with no problems
B)	Phineas Gage did not fully recover physically and could not resume his previous job
C)	<b>Phineas Gage recovered physically but his personality was drastically altered</b>



D)	Phineas Gage was physically disabled, but his personality was intact
	For many years it was believed that humans had all the neurons that they were ever going to have at birth. Neuroscientists have recently found that human adults can create new neurons in the...
A)	Basal ganglia
B)	Spinal cord
C)	<b>Hippocampus</b>
D)	Association cortex
E)	Hypothalamus
	The dramatic increase in neuron connections observed in healthy children during the first 2 years of life would most strongly imply which of the following?
A)	<b>Appropriate stimulation during infancy facilitates brain development.</b>
B)	Infants should be fed only when they appear hungry.
C)	Young infants cannot process much information.
D)	Brain development is a physical event; changes will occur regardless of experience.
	In one study people tasted two wines: a \$10 wine and an expensive \$100 wine. What did this study show?
A)	The \$10 wine tasted much better than the \$100 wine
B)	The \$100 wine tasted much better because it was a higher quality wine
C)	People could not tell any difference between the \$10 and \$100 wine
D)	<b>The \$100 tasted much better even though both wines were actually the same</b>
E)	Supertasters had a better developed sense of taste
	If a father has Huntington's disease (DOMINANT) and the mother is not a carrier, out of four children how many are likely to get the disorder?
A)	1
B)	<b>2</b>
C)	3
D)	4
	Which statement about REM sleep is most correct?
A)	REM is more common in older people
B)	If you can't remember your dreams, you missed your REM sleep
C)	<b>We go through a single REM cycle each night</b>
D)	Sleepwalking does NOT usually happen during REM sleep when we are dreaming
	Complex brain functions such as kicking, playing the piano, and dancing are controlled and coordinated by the...
A)	Corpus callosum
B)	<b>Cerebellum</b>
C)	Endocrine system
D)	Amygdala
	What is the most common non-genetic cause of mental retardation in North America?
A)	Poor prenatal nutrition
B)	PKU
C)	Low birth weight
D)	Anoxia
E)	<b>Fetal alcohol syndrome</b>

	The brain can be scanned using several different procedures. Which of the following statements is <b>FALSE</b> ?
A)	EEG measures the activity of millions of neurons at once and so is not very precise
B)	<b>MRI is used to measure how much serotonin or other neurotransmitters are released at the synapses</b>
C)	When an area of the brain experiences increased activity, there is a sudden rush of blood flow to that area
D)	During a PET scan, radioactive material may be injected into a vein, inhaled or swallowed by the patient
	Even though we have achieved many great things over the past 100 years, it is still difficult for people to differentiate between truth and fiction. One small example mentioned in class was the Coriolis Force (influence due to the Earth's rotation). <b>Which statement (s) is (are) TRUE?</b>
A)	The Coriolis Force creates a black hole in the centre of our galaxy (the Milky Way)
B)	The Coriolis Force causes hurricanes in the Northern Hemisphere to spin counter-clockwise
C)	The Coriolis Force causes toilets in the Northern and Southern Hemispheres to flush in opposite directions
D)	<b>The Coriolis Force is what keeps people riding upside down in a roller coaster from falling out of their seats</b>
E)	All of the above statements are TRUE
	The individual shown in the image is undergoing what type of procedure?
A)	Deep brain stimulation
B)	Lesioning
C)	<b>Electroencephalography or EEG scan</b>
D)	An MRI scan
E)	Polygraph test
	Recall video about British mixed racial family...one daughter had light skin and the other dark skin. Which of the following statements about skin colour is <b>FALSE</b> ?
A)	Skin colour is a function of approximately three different genes
B)	Skin colour and eye colour are both influenced by melanin
C)	<b>The twin girls in the video were identical twins but had different skin colours</b>
D)	It is possible for a child to have darker skin than either their mother or father
	When looking at the intelligence scores of adopted children what do we find?
A)	Their IQ scores are correlated only with the adoptive family
B)	<b>Their IQ scores are correlated only with their biological family</b>
C)	Their IQ scores are correlated equally with the adoptive and biological family
D)	Their IQ scores have little correlation with the adoptive or biological family
	Deep Brain Stimulation involves...
A)	<b>Lesioning, or destroying specific areas of the brain</b>
B)	Using levodopa to stimulate dopamine production
C)	Electrodes implanted and used to stimulate the brain
D)	Removing damaged areas of the brain
	The corpus callosum is a large bundle of axons that connects the two hemispheres of the brain. Cutting the corpus callosum would result in:
A)	<b>The left side of the brain picking up the function of the right side or vice versa</b>
B)	All external information being sent directly to the left side of the brain
C)	The person having two separate minds that learn independently
D)	A diagnosis of schizophrenia



The subject wears a geodesic sensor net of 64 electrodes used to record electrical activity from the brain.

E)	Nothing would happen, as the corpus callosum is not important
	The fetal heart slows when its mother is speaking. What does this suggest?
A)	There is a genetic link from mother to fetus
B)	The fetus is dreaming in REM sleep
C)	The fetal heart rate is controlled by the mother through the umbilical cord
D)	It's just a coincidence since the fetus cannot hear
E)	<b>The fetus can listen, remember, and is comforted by familiar sounds</b>
	A man is born with colour blindness because...
A)	Of trauma to the optic nerve
B)	He has the recessive Y chromosome from his father
C)	He has the dominant X chromosome from his mother
D)	He has both X & Y dominant
E)	<b>He has the recessive X chromosome from his mother</b>
	In studies looking at intelligence, identical twins have a much stronger correlation than do fraternal twins. This result demonstrates that...
A)	Family environment or experience is the strongest influence on intelligence
B)	<b>Genetics or heredity is the strongest influence on intelligence</b>
C)	Supports the idea of reciprocal determinism
	The suprachiasmatic nucleus (SCN) located in hypothalamus synchronizes daily sleep cycles based...
A)	On adequacy of sleep
B)	<b>On light input from the retina</b>
C)	On caloric intake
D)	On blood glucose levels
	The picture to the right is referred to as the sensory homunculus (homunculus is Latin for "little man"). What does it represent?
A)	It shows the evolution of different body parts
B)	<b>It shows the primitive side of our personality as envisioned by Freud</b>
C)	It shows how much space body parts have allocated on the cortex
D)	It is the distorted self-image of a paranoid schizophrenic
	Myelination begins in the 3rd trimester but occurs most rapidly during the first two years of life. Which of the following statements is <b>FALSE</b> ?
A)	Myelination of the visual pathways is completed in the uterus by the 5 <sup>th</sup> month of pregnancy
B)	The pathways related to sense of touch, the first sense to develop, are myelinated by birth
C)	Myelination related to hearing begins at 6 months of pregnancy when fetuses begin to respond to sound
D)	At birth, the parts of the brain involved with heartbeat and respiration are fairly well myelinated
E)	<b>Myelination of the hippocampus which plays a key role in memory continues into adulthood</b>
	After 32 weeks of gestation (pregnancy), the fetus is able to do all of the following EXCEPT?
A)	Sleeps 90% of time including some REM sleep
B)	Hears and recognizes sound of mother's voice
C)	<b>Understands the meaning of simple words such as those in the Dr Seuss book <i>Cat in the Hat</i></b>
D)	Is able to learn, listen, and remember at a very simple level



	High dose exposures to mutagens in humans have occurred as the result of nuclear explosions. . Hiroshima and Nagasaki were destroyed by atomic bombs at the end of World War. Which of the following statements is <b>FALSE</b> ?
A)	<b>Embryo/fetus exposed to radiation were severely affected.</b>
B)	Young children exposed to radiation were severely affected.
C)	Adults exposed to radiation were severely affected.
D)	Children born more than one year after the explosions were severely affected
	Although we have used genetic engineering to modify dogs and other animals, there has been little use with humans. The only procedure used so far to control the genetic characteristics of the fetus is...
A)	Fetal surgery in utero
B)	<b>Pre-implantation genetic diagnosis</b>
C)	Chorionic villus sampling
D)	Amniocentesis
E)	Echogenic testing
	In families where there are 6 daughters and no sons, we can be quite sure that...
A)	<b>This is simply a matter of luck or chance.</b>
B)	The mother's uterus is much more conducive to girls over boys.
C)	The X sperm are swimming much faster than Y sperm.
D)	The father has far more X sperm than Y sperm.
	Lori and Reba Schappell are conjoined twins joined at the head but still manage to lead independent lives (recall in-class video). Which statement is <b>CORRECT</b> ?
A)	<b>They share about 30% of their frontal lobe</b>
B)	They have almost exactly the same personalities
C)	They plan to have surgery that will separate them so they can each live independently
D)	They are both married and have children
	The amygdala is the part of the brain most closely associated with...
A)	Love
B)	<b>Fear</b>
C)	Hunger
D)	Pleasure
E)	Curiosity
	Which statement about myelin and myelination is <b>FALSE</b> ?
A)	Myelination permits the brains electrical signals to travel faster
B)	"White matter" consists of the myelin sheathing that covers the axons
C)	The myelin sheath insulates the neuron and prevents leakage of the electrical signals
D)	<b>At birth, the newborn's brain contain more myelin than does the brain of an adult</b>
	Quite a lot of research has been carried out on paranormal phenomena such as ghosts, ESP, astrology, telepathy and psychic healing. What does the scientific evidence say about these phenomena?
A)	The evidence supports the existence of all these
B)	The evidence supports existence of some phenomena (e.g., ESP) but not others (e.g., astrology)
C)	The scientific evidence is unclear and contradictory with no clear results
D)	<b>There is no hard evidence that paranormal phenomena exist</b>
	Neurotransmitters are specialized chemicals that carry information from the axon terminal button, across the synaptic gap to another neuron. The following <u>are</u> all neurotransmitters <u>except</u> :

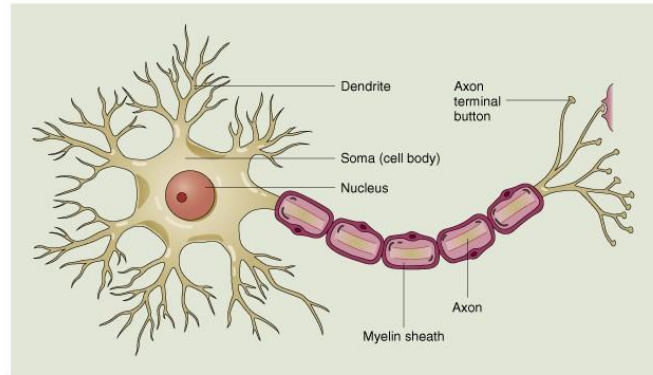
A)	Dopamine
B)	Serotonin
C)	Myelin
D)	Gamma aminobutyric acid (GABA)
E)	Acetylcholine
	A person affected by MS (Multiple Sclerosis) may have his ability to walk and stand impaired because:
A)	Myelin tissue is destroyed and disrupts neuronal communication
B)	Neurotransmitters are blocked from being released into synapse
C)	A deficiency of acetylcholine in the neurotransmitter has occurred
D)	His peripheral nervous system has blocked acetylcholine at the "neuromuscular junction"
	Before the _____ neural impulse can cross the _____, it must be converted to a(n) _____ impulse.
A)	Chemical.....cell body.....receptor
B)	Chemical.....interneuron.....electrical
C)	Electrical.....cell body.....chemical
D)	Electrical.....synaptic gap.....chemical
	Which of the following is the most accurate description of the infant's brain at birth?
A)	It is fully connected.
B)	It has all of the dendrites it needs.
C)	It already contains approximately 100 billion neurons.
D)	All senses operate so poorly that the world is a "booming buzzing" confusion.
	Dream sleep has acquired the abbreviated name REM sleep because...
A)	Those are the initials of the woman who discovered it in 1954.
B)	REM is known as remote sleep.
C)	REM is a shortened version of "rapid eye movement."
D)	REM is the time when we "relive earlier memories."
	Depression may be influenced by several different neurotransmitters but the one that is <b><u>MOST STRONGLY</u></b> associated with depression is...
A)	Dopamine
B)	GABA
C)	Acetylcholine
D)	Serotonin
E)	Adrenaline
	In order to carry out pre-implantation genetic diagnosis...
A)	A single cell is extracted from the embryo and analyzed
B)	A single sperm cell is extracted and analyzed
C)	A single chromosome is extracted and analyzed
D)	A single egg is extracted and analyzed
	Which of the following is the best description of the infant's brain at birth?
A)	All connections between neurons have formed already
B)	It has all of the dendrites it needs.
C)	It already contains 100 billion neurons.
D)	It has already grown to full adult size
E)	The brain is completely developed and fully functional

	During fertilization a sperm cell and egg cell merge. Which statement is <b>FALSE</b> ?
A)	The egg is the largest cell in the human body
B)	The sperm is the smallest cell in the human body
C)	<b>Millions of sperm are produced each sperm carries exactly the same genetic information</b>
D)	Sperm can live for up to six days and so may wait for the egg to arrive
	The knee jerk reflex (or patellar reflex) occurs really quickly. When the doctor taps your knee, it only takes about 50 milliseconds between the tap and the start of the leg kick. Which answer below best explains how this information is processed so quickly?
A)	The nerve impulse travels quickly to the brain via a special express route (the "touch-neuron pathway")
B)	<b>The information travels from the sensory neuron to the spinal cord and right back to the knee</b>
C)	We see the doctor preparing to tap; information goes to the visual cortex and allows a quick motor response
D)	Any sensory information involving pain takes priority and gets to the brain as quickly as possible
	William James (1890)--" <i>To the infant, sounds, sights, touches, and pains, form one unanalyzed blooming, buzzing confusion.</i> " But that is absolutely incorrect. <b>Which of the following is LEAST developed at birth?</b>
A)	<b>Vision</b>
B)	Touch
C)	Hearing
D)	Reflexes
E)	Neurons
	The capacities to think, reason, and remember probably best distinguish humans from other animals. These qualities are most closely associated with the...
A)	<b>Cerebral cortex.</b>
B)	Brainstem.
C)	Cerebellum.
D)	Limbic system.
E)	Reticular formation.
	The area of psychology which stresses that people are in control of their lives, in addition to personal growth and the freedom to choose is often referred to as...
A)	The cognitive approach
B)	The behavioural approach
C)	The biological approach
D)	<b>The humanistic approach</b>
E)	The sociocultural approach
	Myelination begins early in the 3rd trimester with the most rapid period of myelination occurring in the first two years of life and beyond. Of the areas below which would be the LAST to be myelinated?
A)	<b>Parts of the brain related to vision</b>
B)	Pathways related to sense of touch
C)	Parts of the brain related to heart and breathing
D)	Axons for the lower extremities (legs & feet)
	In studies looking at intelligence, identical twins have a much stronger correlation than do fraternal twins. This result demonstrates that...
A)	<b>Family environment or experience is the strongest influence on intelligence</b>
B)	Genetics or heredity is the strongest influence on intelligence
C)	Supports the idea of reciprocal determinism

	Congresswoman Giffords was shot in the head in Tucson, Arizona. The bullet entered through the front of her head through the frontal lobe, passed through her left hemisphere and out through her occipital lobe. <b>Which statement is FALSE?</b>
A)	If the bullet had hit her thalamus she would have been deaf and blind
B)	<b>The bullet may have damaged her language centres</b>
C)	She gave people the “thumbs up” sign indicating there is no possibility of paralysis
D)	Her personality may be altered due to damage in her frontal lobe
E)	A craniectomy was performed to allow her injured brain room to swell
	In a video we watched the EVIAN commercial with chubby roller skating babies dancing to a remix of the song “Rapper’s Delight”. We see these 7 or 8 month-old babies as they leap over obstacles, leap on a fence and hang from it, do backflips, engage in some break dancing, weave through a series of Evian bottles, and walk upside down on their elbows. What is the most complicated action that we could expect 7 or 8 month-old babies to be able to perform?
A)	Walking
B)	<b>Ride a tricycle</b>
C)	Climbing stairs
D)	Running and jumping
E)	None of the above
	During final trimester a fetus born early has a chance at survival. The point at which the baby can first survive is called the age of viability and occurs sometime between 22 and 28 weeks. Many fetuses born this young require assistance because...
A)	Their extremities (arms and legs) have not yet fully formed
B)	<b>Their pulmonary alveoli (air sacs) in their lungs are too immature to function properly</b>
C)	The cerebral cortex is too immature and cannot send commands to the rest of the body
D)	They generally experience fetal arrhythmia (heart problems)
	Sally and Bob are both part of our psychology class. They both studied the same amount of time for this test, but Bob studied this morning before he came to class, whereas Sally spent time last night studying and got a full night’s sleep. It is very likely that Sally will get a better mark on this test because
A)	It has been shown that females typically perform better on psychology tests
B)	<b>Sleep is used to consolidate learning and memory</b>
C)	The information that Sally took in the night before will be transferred into long term memory overnight
D)	Bob will be exhausted from the early morning
	Which of the following statements about mutations is <b>FALSE</b> ?
A)	Mutations can occur due to errors in DNA replication
B)	Mutations can be passed along as the cell reproduces
C)	Some mutations may cause cancer
D)	Mutations may be caused by sunlight, cigarette smoke, and radiation
E)	<b>Most mutations (like cancer) can be passed from parent to child</b>
	When Jo moved to the city a few months ago she could hardly sleep because of all the traffic noise. Now she hardly hears the traffic at all. This is an example of...
A)	Classical conditioning
B)	<b>Habituation</b>
C)	Inattentional blindness
D)	Dichotic listening
	The brain’s mass is about 2% of our whole body mass. . . how much of our body’s energy does it use?

A)	1%
B)	5%
C)	10-15%
D)	20-25%
E)	40-50%
The _____ acts as a relay station for sensory messages on their way to the cortex (vision, hearing, taste, and touch). Thus even a small injury in this area can cause deafness, blindness, or loss of other senses.	
A)	Sensory cortex
B)	Corpus callosum
C)	Cerebrum
D)	Thalamus
E)	Pituitary gland
Which statement below about self-awareness (or self-recognition) is TRUE?	
A)	Self-awareness occurs around the age of 18 to 24 months
B)	Self awareness occurs at about the same time as object permanence (about 8 months)
C)	Due to infantile amnesia, self-awareness does not develop until 3 or 4 years of age
D)	Young chimpanzees pass the self-recognition test earlier than human infants do
Girls rule and boys drool...everybody knows this to be true. Even while in the uterus girls demonstrate that they are superior to boys because they....	
A)	Are less influenced by the negative effects of teratogens
B)	Have considerably more neurons and synapses as indicated by brain weight
C)	Habituate much more quickly to vibroacoustic stimulation (sound tones)
D)	Produce more action potentials according to EEG monitoring studies
What was the major finding in Harlow's study involving infant monkeys and attachment?	
A)	Contact comfort, not feeding, was found to be the crucial variable in attachment.
B)	It was found that infant mothers rejected the wire "mother."
C)	Feeding, not contact comfort, was found to be the crucial variable in attachment.
D)	It was found that infant monkeys refused to be fed by the cloth "mother."
According to research, what conclusion can be drawn about hypnosis and memory?	
A)	Most of the information recalled under hypnosis is correct.
B)	Under hypnosis people remember more correct information but also more information that is incorrect.
C)	Most people cannot be hypnotized and so the technique is relatively useless.
D)	Some people suffer from amnesia (lasting several days) after undergoing hypnosis.

	Which statement about “axons” is <b>FALSE</b> ?
A)	“White matter” consists of the myelin sheathing that covers the axons
B)	Much of what we know about how neurons work comes from experiments on the giant axon of the squid
C)	The axon is the only part of the neuron that is myelinated
D)	<b>The longest axons (in humans) are about the length of your thumb (5 cm)</b>

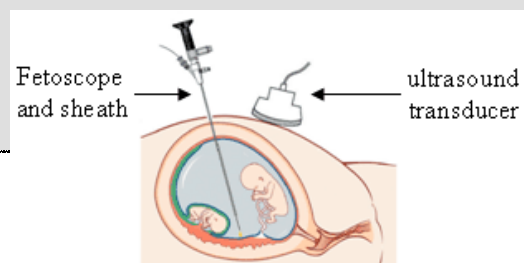


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	The series of changes that prepares our bodies for emergency action is referred to as the...
A)	Nature vs. nurture response
B)	Rest and digest
C)	Operant conditioning
D)	<b>Fight or flight response</b>
E)	Five-factor model
	In a video we watched in class, the image of a “saw” or “car” is shown only to the left eye of a split-brain patient. When asked what he saw, the patient cannot name or identify the object. Which statement is TRUE?
A)	He probably has face blindness
B)	He has Wernicke’s or Broca’s aphasia
C)	The right hemisphere can send messages to the left hemisphere but cannot receive messages
D)	<b>He is able to draw a picture of the object even though he could not name it</b>
	A child less than 8 months of age can be surprised by disappearance / reappearance of a face (peek-a-boo). This may occur because the child...
A)	<b>May not have yet developed object permanence</b>
B)	Has poorly developed memory skills
C)	May be exploring their own bodies and senses
D)	Is imitating what they observe
E)	Is experiencing parasympathetic arousal
	Sensory information from specific areas of the body is carried by sensory nerve fibers to the spinal nerves. For example, sensory information from a strip of skin along the lower back, the outside of the thigh, the inside of the lower leg, and the heel is carried by sensory nerve fibers of the sciatic nerve. How many PAIRS of spinal nerves are there?
A)	5
B)	8
C)	12
D)	23
E)	<b>31</b>
	Identical twins have EXACTLY the same genetic information. But what are the chances that non-twin offspring of the same parents will be genetically identical?
A)	<b>The likelihood is close to 0%</b>
B)	The likelihood is about 5%

C)	The likelihood is about 25%
D)	The likelihood is about 50%
E)	The likelihood is about 75%
	Which of the following statements is <b>FALSE</b> ?
A)	When we are asleep, our brain goes through four stages of sleep
B)	<b>Sleepwalking usually occurs when in REM sleep, where the body is more likely to be mobile</b>
C)	Freud's theory about dreams is the unconscious desire to fulfill needs that go ungratified when awake
D)	Two possible causes of sleep apnea is closing of the windpipes and brain stem abnormalities
E)	The amount of deep sleep we experience is much greater during first half of a night's sleep
	There is little purpose in trying to train young children to enhance their motor skills related to crawling or walking because such milestones tend to be governed by the child's readiness for learning. This readiness depends a lot on brain development, and especially...
A)	Number of neurons
B)	Degree of myelination
C)	Number of Schwann cells
D)	<b>Degree of encephalization</b>
	If your motor cortex was electrically stimulated...
A)	You would not be aware of it.
B)	You would try to mate with inappropriate objects.
C)	<b>You would move a part of your body.</b>
D)	You would feel as if a part of your body had been touched.
	Jodi Miller had the right hemisphere of her brain completely removed at age six. Which statement below <b>most accurately</b> describes Jodi's condition after the surgery?
A)	The left side of her body (controlled by the right hemisphere) remained totally paralyzed
B)	She went to school but was unable to do many subjects such as math and music
C)	Fetal tissue transplant was, after several years, able to restore most of her functions
D)	<b>Her left hemisphere compensated for the loss by taking over most of the functions</b>
	Down Syndrome is a form of organic retardation caused by...
A)	Damage to the sex chromosome.
B)	A recessive gene on the 21 <sup>st</sup> chromosome.
C)	A dominant gene on the 21 <sup>st</sup> chromosome.
D)	<b>An extra chromosome.</b>
	A teratogen is any substance that may cause birth defects. One of these is thalidomide which was used by thousands of pregnant women in the late 1950s. What was the major consequence of thalidomide?
A)	Premature birth and low birth weight
B)	Damage to heart and lungs
C)	Reduced brain development
D)	<b>Stunted growth of fetal arms and legs</b>
	"Out of sight, out of mind" can describe the behaviour of a child who has not yet mastered concept of
A)	Assimilation.
B)	Conservation.
C)	Equilibration.
D)	<b>Object permanence.</b>

	While walking home at night Shelley was frightened by a barking dog. After walking another block, she notices that her breathing and heart rate have slowed to normal levels. <b>Which branch of her nervous system is responsible for calming her down to normal levels?</b>
A)	Sympathetic nervous system
B)	<b>Parasympathetic nervous system</b>
C)	Autonomic nervous system
D)	Somatic nervous system
	Thalidomide was a medication that caused severe deformities to the developing fetus. This medication was approved for distribution but why were these side effects unforeseen?
A)	<b>It was developed in a country with poor clinical testing guidelines and was not properly tested</b>
B)	These results were known to happen by scientists but were approved because of financial reasons
C)	Though tested in mice, it was later discovered that mice were immune to the teratogenic effects
D)	The deformities only occurred when thalidomide was ingested with alcohol
	Which of the statements below is most correct?
A)	You share 50% of your genes with your mother
B)	You share 50% of your genes with your father
C)	You share 50% of your genes with your sister (if you have one)
D)	You share 50% of your genes with your brother (if you have one)
E)	<b>All statements above are correct</b>
	Which of the following statements about MRI or fMRI (magnetic resonance imaging) is FALSE?
A)	MRI creates a magnetic field around a person's body
B)	MRI can provide clear images of tumors of the brain and spinal cord and also detailed images of the heart
C)	Increased blood flow to the activated areas of the brain shows up on MRI scans
D)	<b>During an MRI radioactive material may be injected into a vein, inhaled or swallowed by the patient</b>
E)	MRI can determine which parts of the brain are activated by activities such as reading, seeing, or sound
	At birth, infants are most likely not aware of their separateness from the environment, and they acquire this awareness following a gradual process of development. How do researchers usually measure the degree of self-awareness?
A)	References made by children to "I" or "me" or "myself"
B)	Pointing to photographs of familiar people
C)	<b>A mirror and a spot of rouge (paint) on the face</b>
D)	Ability to recognize their own voice
E)	Infant IQ tests such as the Bayley scales
	Molly Nash was going to die until her parents had a second child to save her. What did the second child contribute to save Molly?
A)	His bone marrow
B)	<b>Blood from his umbilical cord</b>
C)	His genes for use in gene therapy
D)	One of his kidneys
E)	Both B & D
	The use of fetoscopy shows that...
A)	<b>The fetus shields its eyes from the light</b>
B)	The fetus can hear sounds and respond to them
C)	The fetus has reached the age of viability

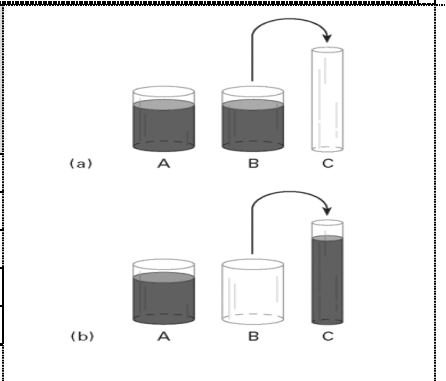



D)	The fetal heart rate will increase indicating fear or anxiety	
	When doing research to evaluate the effectiveness of antidepressants, some people get the real drug while others get a placebo which has no medicine in it at all. <b>What often is the result in these studies?</b>	
A)	All the depressed patients get better	
B)	None of the depressed patients get better	
C)	Only the depressed patients getting the real medicine get better	
D)	The placebo is usually more effective than the real medicine	
E)	<b>Many people taking the placebo get better even though it has no medicine in it</b>	
	Treatments with deep brain stimulation (DBS) were used now instead of the older method of lesioning. What is one major advantage of deep brain stimulation?	
A)	DBS it is much less painful than was the surgical lesioning	
B)	Lesioning produced epileptic seizures while DBS does not	
C)	<b>DBS is reversible because there is no permanent damage to the brain</b>	
D)	Lesioning affected patients' memory while DBS does not	
	Which statement below about X and Y sperm/chromosomes is <b>TRUE?</b>	
A)	The Y chromosome is larger than the X chromosome	
B)	At conception (fertilization of the egg) gender is determined by the mother's X chromosome	
C)	Men have a lot more Y sperm leading to more males being conceived	
D)	<b>The X chromosome has 2000 genes but Y chromosome has about 78</b>	
	You are playing hide-and-seek with a 3 year old child who hides her head under a blanket. Although she is clearly visible to you because her feet are sticking out, she believes that you cannot see her because of ...	
A)	Assimilation	
B)	Perceptual centration	
C)	Irreversibility	
D)	<b>Egocentrism</b>	
E)	Moral development	
	Fight or Flight: This response stimulates the sympathetic nervous system to prepare the body to meet a stress situation. Which of the following is <b>FALSE?</b>	
A)	If the body is digesting food, that is stopped immediately	
B)	Hormones including adrenaline prepare the body for action	
C)	Your breathing becomes faster to increase oxygen	
D)	<b>Heart rate slows down in order to conserve energy</b>	
	Huntington's disease is dominant, like having brown eyes. Alicia and Robert were upset to learn that each child they might conceive would have a 50% chance of developing Huntington's disease because...	
A)	Both Alicia and Robert carry only recessive gene for Huntington's disease	
B)	<b>One of them (Alicia or Robert) carries one dominant gene for Huntington's disease</b>	
C)	One of them (Alicia or Robert) carries two dominant genes for Huntington's disease	
D)	Both Alicia and Robert carry one dominant gene for Huntington's disease	
	Though Jodi Miller had a hemispherectomy (removal of half the brain's temporal lobe), she is now able to function normally with both sides of her body. This can best be attributed to the brain's:	

A)	Plasticity.
B)	Cerebellum.
C)	Higher functions.
D)	Myelin sheaths.
E)	Glial cells.
	Children that have been blind from birth know how to smile and frown even though they have never seen these facial expressions. What conclusion should we draw from this result?
A)	Facial expressions are not learned but are wired into our brain.
B)	Reflex action is responsible for blind children smiling
C)	They are not really smiling, but people believe they are.
D)	Someone has moved their faces to teach what muscles are used to show emotions.
E)	All of the above.
	There are more than 100 sex-linked characteristics and most of them are disabling. These include color blindness, hemophilia, degeneration of the optic nerve, muscular dystrophy, and certain forms of deafness. Which statement is FALSE?
A)	These disorders are determined by genes on the X chromosome.
B)	Sons of female carriers are more likely to be affected because they have only one X chromosome.
C)	In females, a normal dominant gene on the X chromosome from the father generally overrides the defective gene on the chromosome from the mother.
D)	When the mother is a carrier, she also has the disorder (e.g., hemophilia) and passes it on to all her children.
	Which of the following produces a form of radiation that is most likely to damage our cells, lead to mutations, or harm the fetus ?
A)	X-ray
B)	Cell phone
C)	Laptops
D)	Power lines
E)	All of the above
	Nerve agents such as sarin may cause uncontrollable muscle spasms by _____ activity in the neurotransmitter _____.
A)	Increasing.....acetylcholine
B)	Decreasing.....serotonin
C)	Increasing.....dopamine
D)	Decreasing.....GABA
	Which answer best describes what a person would experience if they were suffering from aphasia?
A)	Amnesia.
B)	A drastic change in one's personality.
C)	They would not recognize faces of familiar people.
D)	Problems with the sensory area of the brain, resulting in loss of "feeling".
E)	Difficulty speaking, writing, reading or understanding spoken language.
	What is one major risk factor for Down Syndrome?
A)	Exposure to rubella
B)	Exposure to smoking during pregnancy
C)	If the pregnancy occurs when the mother is older
D)	A Fragile X chromosome

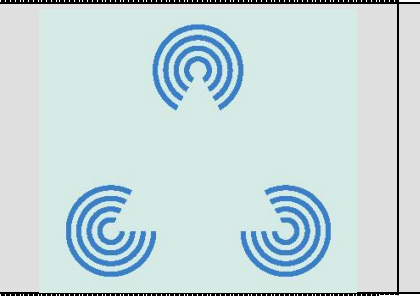
	If both parents have one dominant normal gene but also carry the recessive gene for a disorder such as PKU, then out of four children how many are likely to be born having the PKU disorder?
A)	None
B)	One
C)	Two
D)	Three
E)	Four
	_____ can become disrupted through shift work, insomnia or jet lag?
A)	Sensory deprivation
B)	Circadian rhythms
C)	Dream recall
D)	Central nervous system
	This is the only neurotransmitter between motor neurons and voluntary muscles...every move you make such as typing, talking, walking, and breathing depends on _____ released to your muscles by motor neurons. Some poisons cause paralysis by blocking this neurotransmitter. <u>What is it?</u>
A)	Dopamine
B)	GABA
C)	Acetylcholine
D)	Serotonin
E)	Adrenaline
	During which period is the embryo/fetus most vulnerable to effects of teratogens?
A)	Just before fertilization the sperm and ovum are easily damaged by teratogens
B)	During the period of embryo (3-8 weeks after conception)
C)	During the period of fetus (last three months of pregnancy)
D)	During the postnatal period (first week after birth)
	Wilder Penfield performed surgery on patients with severe epilepsy using only local anesthetic so they were awake and aware during the operation. Penfield discovered that for both _____ and _____ there is a point to point relation between a part of the body and...
A)	Sensation and perception
B)	Broca's and Wernicke's areas
C)	Left and right hemispheres
D)	Motor and sensory areas
E)	Frontal and occipital lobes
	There is dramatic increase in neuron connections observed in healthy children during the first 2 years of life. What is the role of experience in this process?
A)	Experience plays no role; brain development is a purely biological process
B)	Appropriate stimulation during infancy facilitates brain development.
C)	Young infants cannot process much information and so experience plays a minimal role
D)	Experience and stimulation are important but only after the age of 5 when higher brain functions develop
	The "Use it or Lose it" principle (also called pruning) refers to...
A)	The ability of the brain to absorb the desired nutrients and expel the remains
B)	The brain's ability to get rid of neural connections which are of no use to it
C)	The brain's ability to decide what information is important, and which information is not
D)	The brain's ability to store important memories

	Which of the following would have IQ scores that are most likely to be different?
A)	Identical twins raised in different homes
B)	Two fraternal twins raised in the same home
C)	Two siblings raised in the same home
D)	<b>Two children (one adopted) raised in the same home</b>
	You do not have your usual amount of REM sleep for several nights because of stress-induced insomnia. Exams end, stress levels drop, and your mild insomnia disappears. To make up for the lost REM sleep you will show ____ for the next several nights.
A)	More stage 3 and 4 sleep
B)	Theta wave sleep
C)	<b>REM rebound</b>
D)	Narcolepsy
	If you monitored a person's sleep pattern for an entire night, you would notice which relationship between deep sleep and REM sleep?
A)	During the early part of the night, there is less deep sleep.
B)	<b>As the night progresses, deep sleep decreases and REM sleep increases.</b>
C)	As the night progresses, deep sleep increases and REM sleep decreases.
D)	During the latter part of the night, there is less REM sleep.
	'A' and 'B' are two identical glasses filled with identical amounts of liquid. 'C' is a taller, narrower glass. 'B' is emptied into 'C' and the liquid "seems" higher. Watching while this was all done, which child will say 'C' has more liquid?
A)	A retarded child
B)	A 10 year-old child
C)	<b>A 4 year-old child</b>
D)	A visually impaired child
E)	All of the above
	The vertebrae of the spinal column protect the spinal cord and spinal nerves. Sometimes a vertebral disk may bulge out of place and pinch the sciatic nerve (one of the 31 spinal nerves). This is most likely to cause which of the following symptoms?
A)	Paralysis of the left side of the body
B)	Severe pain radiating through the spinal cord
C)	Left arm tingling or in pain (this can be alarming as it is similar feeling to a heart attack)
D)	Pain may arise due to muscular tightness in both the neck and upper back
E)	<b>Pain through the lower back, the buttock, down the thigh and back of the leg</b>
	The autonomic branch of our nervous system controls each of the following <b>EXCEPT</b> ...
A)	Heartbeat
B)	Breathing
C)	Running
D)	Digesting
E)	Sweating
	The wine-tasting study discussed in class showed that...
A)	Higher quality wines cost more than low quality wines

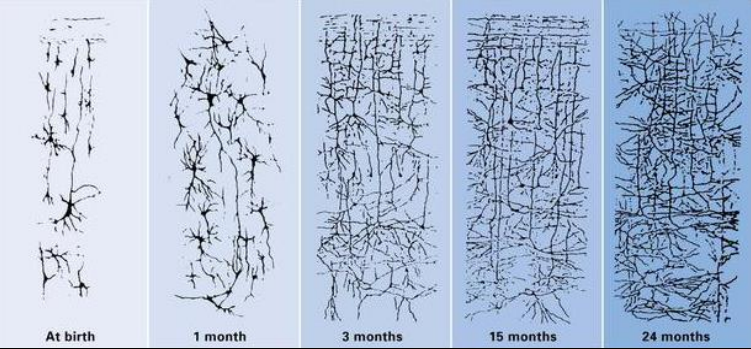


B)	More expensive wines tasted much better than cheap wines
C)	Surprisingly, expensive and cheap wines tasted exactly the same
D)	The wine tastes much better to people who believe it is an expensive wine
E)	A and B are both TRUE
	In multiple sclerosis, the _____ deteriorates, exposing parts of the _____. The result is a short circuit between the nervous system and muscle, which leads to difficulties with walking, vision, and with general muscle co-ordination.
A)	Cell body...nucleus
B)	Dendrite...terminal button
C)	Terminal button...nucleus
D)	Myelin sheath...axon
E)	Bony spinal column...spinal cord
	This tiger is nursing several baby piglets and allowing them to feed. This example shows...
A)	That we can be easily fooled because the picture is probably fake
B)	That this is the result of genetic engineering
C)	That animals can be trained to do just about anything
D)	<b>The power of environmental learning over innate genetics</b>
E)	The tiger is waiting till they are bigger before having pork chops
	
	Francis Galton made several scientific contributions. Which was <b>NOT</b> one of his accomplishments?
A)	He wrote a book called <i>Hereditary Genius</i>
B)	He invented the phrase nature/nurture to identify the separate effects of heredity and environment
C)	<b>He was first to use twins to study the effects of heredity and environment</b>
D)	He helped Darwin (his cousin) develop the principle of natural selection
	Every neuron contains a cell body, dendrites, and axon. The dendrites form a bushy, tree-like structure and these extensions receive messages and conduct impulses toward the cell body. The many dendrites of one neuron may have connections with as many as _____ other neurons.
A)	10
B)	100
C)	1000
D)	<b>10,000</b>
E)	1 million
	In the movie <i>Fly Away Home</i> and the documentary called <i>Winged Migration</i> geese are flying close to a small ultralight plane allowing incredible close-up pictures to be taken of the flying birds. How can the ultralight get so close without scaring the geese?
A)	The photographer is using a telephoto lens
B)	<b>Imprinting was used so geese were unafraid of people or the ultralight</b>
C)	The geese were trained using food rewards (operant conditioning)
D)	The filmmakers actually used CGI (computer generated graphics)
	"Sleep learning is a way to harness the power of your subconscious while you sleep, enabling you to learn foreign languages, pass exams, undertake professional studies and implement self-growth". How much can we really learn while we sleep?

A)	We can consolidate memories and recent learning while we are asleep
B)	We can learn complex skills while we sleep by listening to audio tapes (e.g., foreign languages)
C)	We can learn by listening to tapes with subliminal messages and information while we sleep
D)	All of the above are true
	Some children with severe epileptic seizures must have the faulty half of their brain surgically removed. What usually happens in these cases?
A)	The children rarely survive the operation
B)	The children survive the operation but are like a vegetable
C)	The children have some basic functions but usually are retarded in their intelligence
D)	The children retain almost all functions with almost normal intelligence
	Which of the following is NOT considered a teratogen?
A)	Aspirin
B)	Alcohol
C)	X-rays
D)	Microwaves
E)	Nicotine (smoking)
	Which statement below about the use of embryonic stem cell in human clinical trials is <b>TRUE</b> ?
A)	Human trials with spinal injuries and blindness are happening now and results will be known soon
B)	Injecting embryonic stem cells into humans has been tried but failed due to immune system rejection
C)	Stem cells have been used for more than a decade but is so expensive that few people can afford it
D)	Injecting embryonic stem cells into humans has not been tried due to ethical concerns (only with animals)
	Which of the following statements about sudden infant death syndrome is <b>FALSE</b> ?
A)	SIDS may occur due to a lack of serotonin
B)	SIDS may result from defects in chemical receptors or nerve endings in the brainstem
C)	SIDS risk factors include premature or low birth weight babies
D)	SIDS death is more likely to happen when babies sleep on their backs
	When looking at a diagram of three groups of broken circles, most people will see a triangle even though there is no triangle drawn in to see. What did Gestalt psychologists conclude about this phenomenon?
A)	Our brain has a powerful tendency to form meaningful patterns
B)	That our eyes will often fool us
C)	Our brain is responding to feature detectors that identify shapes and angles
D)	That our unconscious mind is stronger than the conscious mind
E)	There is no such thing as free will (or Free Willy)
	On May 27, 1995, Christopher Reeve became a quadriplegic after being thrown from a horse in an equestrian competition. He required a wheelchair and breathing apparatus for the rest of his life. <b>His breathing problems were most likely due to damage to which part of his brain when he fell?</b>
A)	His cerebellum
B)	His cerebral cortex
C)	His brainstem
D)	His hypothalamus
	A baby is born with blue eyes but the parents have brown eyes. What would be the most logical explanation of this outcome?



A)	The baby was switched by mistake with another couple's baby at the hospital
B)	Both the father and the mother have the recessive gene for blue eyes
C)	The father has a dominant gene for blue eyes and the mother has a recessive gene for brown eyes
D)	The mother has a dominant gene for blue eyes and the father has a recessive gene for brown eyes
	The first time it happens, a sudden loud noise has a startling effect on us and triggers an 'orienting reflex'. Among humans, the eyes widen, the eyebrows rise, muscles tighten, the heart beats faster, and brain-wave patterns indicate a heightened level of physiological arousal. On the second and third exposures to the stimulus, the effect is weakened. This simplest form of learning is called...
A)	Absorbing
B)	<b>Habituation</b>
C)	Understanding
D)	Trial and error
E)	Copying
	Which of the following statements about early stimulation is <b>FALSE</b> ?
A)	Early experiences have lasting effects on brain's ability to learn
B)	Rich environment & experience helps develop neuronal connections
C)	Many toddlers watch too much TV
D)	<b>The Mozart effect showed that early exposure to classical music increases brain development</b>
E)	All statements TRUE... none is FALSE
	During REM sleep, the release of certain neurotransmitters such as norepinephrine and serotonin is completely shut down. This causes REM atonia, a state which...
A)	Is completely dream free approximately 90% of the time.
B)	<b>The motor neurons are not stimulated and thus the body's muscles don't move.</b>
C)	The body tosses about the bed and produces other motor events such as sleepwalking and sleep-talking.
D)	Brain waves would be large slow waves indicating the deepest sleep stages.
E)	Night terrors (horrifying fear states) take place.
	Immediately after birth most babies are tested using...
A)	A fetoscope
B)	A heart monitor
C)	<b>The Apgar scale</b>
D)	Magnetic resonance imaging
E)	Genetic testing
	For years, scientists harvested the brains of exceptionally smart people (like Einstein), trying to locate the source of their intelligence. What did researchers observe?
A)	<b>Smart people have more neurons</b>
B)	Smart people have more ossicles
C)	Smart people have a thicker corpus callosum
D)	All of the above differences were observed
E)	None of the above differences were observed
	What do Wernicke's area and Broca's area have in common?
A)	<b>They are both related to language</b>
B)	They are both related to circadian rhythms
C)	They are both related to motor movements (e.g., walking)
D)	They are both related to the visual system

	Most spontaneous abortions (miscarriages) occur even before the woman realizes that she is pregnant. These miscarriages most often occur because of . . .
A)	<b>Defective or poorly implanted embryos</b>
B)	Poor nutrition or diet
C)	Overactivity of the mother
D)	Viral infections
E)	Alcohol consumption or drug use
	This picture represents which of the following developments?
A)	<b>The rapidly increasing growth of dendrites after birth</b>
B)	The rapidly increasing number of neurons after birth
C)	The rapidly increasing degree of myelination after birth
D)	The rapid increase in gray matter after birth
	 <p>At birth      1 month      3 months      15 months      24 months</p>
	The suprachiasmatic nucleus triggers melatonin secretion which . . .
A)	Is essential for the production of sperm in males
B)	Your brain interprets as hunger and causes you to eat
C)	Aids in the smooth movement of voluntary muscles in arms and legs
D)	<b>Induces sleep and lowers body temperature</b>
	The suprachiasmatic nucleus triggers _____ secretion after sunset which induces sleep and lowers the temperature of the body.
A)	Endorphin
B)	Serotonin
C)	Epinephrine
D)	<b>Melatonin</b>
	Broca's area in left side of brain plays an important role in the expression of speech . . . patients with damage to this area may suffer from Broca's aphasia. Which of the following statements is most likely to be made by someone with a severe case of Broca's aphasia?
A)	Walk dog
B)	I will take the dog for a walk
C)	The dog walked out of the yard
D)	<b>You know that smoodle pinkered and that I want to get him round and take care of him like you want.</b>
E)	The patient can draw a picture of a dog but cannot say the word
	Probably the most famous patient to have survived severe damage to the brain was Phineas Gage. A meter-long tamping iron went in point first under his left cheek bone and completely out through the top of his head. He survived the accident but his personality completely changed . . . his friends said he was "No longer Gage." Which part of his brain was damaged?

A)	The cerebellum
B)	<b>The frontal lobe</b>
C)	The occipital lobe
D)	Broca's area
E)	The amygdala
Which statement below is <b>FALSE</b> ?	
A)	<b>Parietal lobe at the top of the head controls reflexes (e.g., breathing, coughing, sneezing, vomiting)</b>
B)	Frontal lobe is involved in the control of voluntary muscles, intelligence, and personality
C)	Temporal lobe located just above the ears is involved in hearing, language, and memory
D)	Occipital lobe located at the back of the brain is involved in visual processing
Which of the following senses have developed (to some degree) in the fetus by the last month or two before birth?	
A)	Only hearing has developed
B)	Only hearing and touch have developed
C)	Only hearing, touch and taste have developed
D)	<b>Hearing, sight, touch, taste, and smell are all developed</b>
E)	The senses are NOT functional until immediately after birth
All of the following are important and useful elements of the research process <b>EXCEPT one</b> . Which of the following is a problem in research that we are trying to eliminate?	
A)	Experimental method (investigating behaviour through controlled experimentation)
B)	<b>Experimenter and participant bias (where researcher or participant expectations influence the results)</b>
C)	Replication (repeating a research study to see if we get the same results as someone else)
D)	Proposing a hypothesis (an educated guess that can be tested)
E)	Animal research (using rats or monkeys to help answer research questions)
The space between two neurons is known as...	
A)	The receptor
B)	<b>The synapse (or synaptic gap)</b>
C)	The terminal button.
D)	The Nodes of Ranvier
E)	There is NO space-neurons are touching each other
The cerebral cortex of your brain is divided into...	
A)	<b>Two hemispheres and four lobes</b>
B)	Broca's and Wernicke's areas
C)	Motor and sensory areas
D)	Somatic and central nervous system
With respect to infant functioning, the term habituation refers to...	
A)	The ability of a newborn to discriminate between patterns and faces
B)	<b>The reduction in strength of a response due to repeated exposure to a stimulus</b>
C)	The preference of a baby for a particular colour
D)	The ability of an infant to follow an object with his/her eyes
E)	None of the above is correct
Your aunt Mabel has just had a stroke and one day she says, "You know that smoodle pinkered and that I want to get him round and take care of him like you want before", meaning "The dog needs to go out so I will take him for a walk". What is likely wrong with your aunt?	

A)	Synesthesia
B)	Amnesia
C)	Parkinson's
D)	Alzheimer's disease
E)	<b>Aphasia</b>
	A spontaneous abortion, or miscarriage, in the first trimester of pregnancy is usually due to major genetic mistakes or abnormalities in the developing embryo. Often this occurs even before the woman is aware of the <b>pregnancy</b> . It has been estimated that approximately what % of pregnancies end in spontaneous abortions or miscarriages?
A)	5%
B)	15%
C)	<b>25%</b>
D)	50% or more
	The term "plasticity" refers to...
A)	<b>The capacity of the brain for modification and change</b>
B)	The brain being able to enlarge
C)	Numerous branching dendrites
D)	The brain's ability to form new memories
E)	The area of the brain which controls and coordinates voluntary movements
	Which of the following is <b>NOT usually an outcome</b> of Fetal Alcohol Syndrome?
A)	Low intelligence
B)	Diminished growth
C)	Microcephaly
D)	<b>Blindness</b>
E)	Impaired motor skills
	Research evidence related to expression of emotions indicates that...
A)	<b>Facial expressions of emotion are similar around the world</b>
B)	Rules for displaying emotions are similar across the world
C)	Blind children do not show the same expressions of emotion as sighted children
D)	Non-verbal expressions (gestures) have same meaning around the world
	Teratogenic agents include all of the following <b>EXCEPT</b> :
A)	Some infectious agents
B)	Some chemicals
C)	Some drugs
D)	<b>Some DNA replication errors</b>
	The mother and fetus are connected by the umbilical cord. Each of the following effects will occur <b>EXCEPT</b> :
A)	If the mother has cancer, the fetus will be infected and be born with cancer
B)	If mother drinks, uses drugs, or smokes, the fetus will receive these substances
C)	<b>Maternal blood flow into the placenta delivers oxygen and nutrients</b>
D)	If mother eats spicy foods the taste and smell will eventually get into the amniotic fluid

	Before operating on patients who suffered from epilepsy, Penfield stimulated different parts of their brains with electrodes to locate the cells that set off their attacks. He could do this while the patients were awake, since the brain does not feel what is happening to it. He discovered that a sensory "map" of the body surface is created on a section of the brain surface. <b>Which statement is TRUE about this map?</b>
A)	The sensory map can be destroyed by diseases such as multiple sclerosis
B)	The size of the body parts matches the size of the corresponding area on the brain
C)	The arms and legs take up the most space because they are bigger
D)	The face and hands are given more space on the brain because they are capable of finer perceptions
E)	All above statements are TRUE
	When in pre-natal development do various organs begin to form (e.g., spinal cord, eyes, heart, arms...)
A)	The germinal period (first two weeks after conception)
B)	The embryonic period (3 to 8 weeks after conception)
C)	The fetal period (2-3 months after conception)
D)	The fetal period (4-5 months after conception)
	The human spinal cord is surrounded by 33 bones and runs from the base of the brain down the middle of the back and ends just above the waist. The main function and purpose of the spinal cord is:
A)	To produce new neurons as old ones die
B)	To carry messages to and from the brain
C)	To provide protection for our internal organs
D)	To produce more than 50 neurotransmitters for use throughout the body
E)	All of the above are functions of the spinal cord
	Sigmund Freud's psychoanalytic approach stressed the importance of each of the following <b>EXCEPT</b> :
A)	Repression
B)	Unconscious thoughts
C)	Natural selection
D)	Dreams
	All of these statements about neurons are true <b>EXCEPT</b> . . .
A)	Neuron components include the cell body, dendrites, axon and myelin sheath.
B)	Neurons develop in the brain just after the baby is born
C)	Neurons live in the "grey matter" of the brain surrounded by white matter.
D)	There are approximately 100 billion neurons in the brain.
E)	Neurons are connected to but do not physically touch other neurons
	Being a taxi driver in London England is a very demanding job that requires drivers to remember many different streets, locations, and shortcuts. MRI scan comparing taxi drivers and other people shows that drivers' . . .
A)	Hippocampus was much larger
B)	Spinal nerves were much longer
C)	Neuron transmissions were much faster
D)	Visual cortex was much larger
E)	Autonomic system was much more responsive
	Pre-implantation Genetic Diagnosis (PGD) is a procedure for testing the genetic composition of an embryo created through in vitro fertilization. Which stage is most suitable for this PGD procedure?
A)	Just before to fertilization
B)	Very early embryo stage

C)	Mid embryo stage
D)	Late embryo stage
E)	Any stage... does not matter
	Which statement below about sperm production is <b>FALSE</b> ?
A)	Sperm have no eyes and may be guided to the egg by a sense of smell
B)	<b>The sperm is the largest cell in the human body</b>
C)	Up to 150 million sperm in a single ejaculation is considered normal
D)	The Boule gene responsible for sperm production in males is also found in roosters, flies, and sea anemones
	Which statement about PKU (phenylketonuria) is <b>FALSE</b> ?
A)	If the disease is found the infant is immediately placed on a special diet.
B)	With treatment children with PKU usually attain an average level of intelligence and normal lifespan.
C)	If PKU is left untreated, it can cause problems with brain development leading to mental retardation.
D)	<b>Treatment must continue for the first five years of life and then can be discontinued.</b>
E)	PKU affects the way the body breaks down proteins in many foods.
	When Joe realizes that someone has broken into his home, he runs frantically into his closet to hide from the attacker. As he is calling 911, he grabs a baseball bat from the back of the closet to protect himself. His breathing is heavy, he is sweating profusely and he has never been so scared in his life. This is an example of ...
A)	Sympathetic system effects
B)	<b>Parasympathetic system effects</b>
C)	Somatic system effects
D)	Action potential
E)	Automatic thoughts
	Understanding the place of biology and genetics, versus the environment, experience and learning, in determining human characteristics and behavior, refers to which debate?
A)	Behaviorist versus psychoanalyst
B)	<b>Nature versus nurture</b>
C)	Good versus evil
D)	Psychology versus sociology
E)	Folk psychology vs scientific method
	Which statement is MOST CORRECT about a person who has Androgen Insensitivity syndrome?
A)	Will be born with the appearance of woman but gender identity of a man
B)	Will be born with the appearance of a female and will have XX chromosomes
C)	Will be born with the appearance of a female but will have male genitals
D)	<b>Will have the external genitals of a female but will have no uterus or ovaries</b>
	If a woman is pregnant and is exposed to the following, which is <b>LEAST likely to harm the fetus</b> ?
A)	Use of alcohol during pregnancy
B)	Having several X-rays during pregnancy
C)	<b>Using a microwave oven during pregnancy</b>
D)	Smoking during pregnancy
	In the movie Jurassic Park (the clip we watched in class), the scientist explained that all of the dinosaurs were females and so were incapable of breeding. They achieved this by...
A)	Destroying all the male embryos
B)	Withholding certain hormones from the male embryos (namely androgens)

C)	Castrating all the male dinosaurs at birth
D)	Feeding the dinosaurs a special diet
11.	We watched a video clip of the zombie movie “The Walking Dead”. After someone dies the brain shuts down but is later reactivated by the zombie virus. Although the brainstem starts working, the rest of the brain remains dead. Nonetheless, the zombies walk around, they see, they try to bite living humans, and have some very basic thinking skills (I will try to grab you so I can bite you). In order for the zombies to do all these things the following areas should have been activated. Which other area(s) of the brain should have been activated in order for such behavior to occur?
A)	The motor cortex
B)	The frontal lobe
C)	The spinal cord and frontal lobe
D)	The sensory cortex and motor cortex
E)	All of the above must be activated