

1. Within the dermis, lines that indicate areas of separation between bundles of collagen fibers to surgeons when making a cut through the body wall are called:

- a) striae
- b) cleavage or tension lines
- c) dermal ridges
- d) dermal papillae

2. Which of the following statements is/are True with regards to first-degree burns?

- a) It is a full thickness burn in which the epidermal and dermal layers are destroyed
- b) Regeneration is impossible; skin grafting is required
- c) Pain is absent because nerve endings in the area are destroyed
- d) all of the above is true
- e) none of the above are true

3. The prominent bulge just posterior and inferior to the external auditory meatus that anatomy students study in their own bodies is the:

- a) maxillary bone
- b) lacrimal bone
- c) occipital condyle
- d) mastoid process
- e) external occipital protuberance

4. Pollex is another name for the:

- a) thumb
- b) 3rd cervical vertebra
- c) terminal portion of the sternum
- d) big toe
- e) horse-shoe shaped bone found just under the chin

5. Despite its apparent durability, the dermis is subject to tearing. How might a person know that the dermis has been stretched and/or torn?

- a) because the pain is acute, due to the large number of Meissner's corpuscles
- b) By the appearance of striae that are visible on the surface of the skin
- c) the blood vessels in the dermis rupture and the blood passes through the tissue causing "blue" marks
- d) the stretching causes the tension lines to disappear

6. Vertebra are considered to be _____ bones.

- a) long
- b) flat
- c) short
- d) irregular
- e) circular

7. The articular surfaces that connect the human skull to the atlas are

- a) mandibular condyles
- b) occipital condyles
- c) mastoid processes
- d) odontoid processes
- e) superior articular notches

8. A small round projection on a bone for the attachment of a muscle is called:

- a) facet
- b) ramus
- c) fossa
- d) phalange
- e) tubercle

9. Which structure is not associated with a hair:

- a) shaft
- b) cortex
- c) eponychium
- d) matrix
- e) cuticle

10. Choose the statement that is correct about the orbit:

- a) The orbits are formed by both facial and cranial bones
- b) the orbits contain only facial bones
- c) the orbits contain only cranial bones
- d) the orbits are made entirely of cartilage

11. Articular cartilage found at the ends of the long bones serves to:

- a) attach tendons
- b) produce blood cells (hematopoiesis)
- c) provide a smooth surface at the ends of synovial joints
- d) form the synovial membranes

12. The structure that separates the condylar and coronoid processes of the mandible is the

- a) ramus
- b) angle
- c) styloid process
- d) mandibular notch
- e) mandibular canal

13. Thoracic vertebrae differ from the other vertebrae in that they have:

- a) no transverse processes
- b) facets for attachment of ribs
- c) transverse foramina
- d) no intervertebral discs

14. What is the first threat to life from a massive third degree burn?

- a) infection
- b) catastrophic fluid loss
- c) unbearable pain
- d) loss of immune function

15. Which of the following statements is true?

- a) Bones are classified by whether they are weight bearing or protective in function

- b) All bones formed by intramembranous ossification are irregular bones
- c) The pericardium is a fissure that serves only to protect the bone because it is not supplied with blood vessels
- d) Trabeculae are composed of lamellar bone
- e) In newborn infants, the medullary cavity and all areas of spongy bones contain yellow bone marrow

16. The canal that runs through the core of each osteon is the site of _____.

- a) cartilage and interstitial lamellae
- b) osteoblasts and osteoclasts
- c) yellow marrow and spicules
- d) blood vessels and nerve fibers

17. the hard palate is composed of contributions from the _____ and _____ bones?

- a) ethmoid and palatine
- b) maxillary and sphenoid
- c) ethmoid and sphenoid
- d) palatine and maxillary
- e) sphenoid and palatine

18. Bones are constantly undergoing reabsorption for various reasons. Which of the following cells accomplishes these processes?

- a) osteoclasts
- b) osteocytes
- c) osteoblasts
- d) stem cells

19. The external auditory meatus and the styloid process are part of the _____ bone.

- a) parietal
- b) temporal
- c) sphenoid
- d) frontal
- e) none of the above

20. Which of the following statements is true?

- A) In the anatomical position, the lateral bone of the forearm is the ulna
- b) There are seven cervical, twelve thoracic and five lumbar vertebrae
- c) the posterior ligament of the vertebral column is broader and stronger than the anterior ligament
- d) The sternal angle links the body of the sternum with the xiphoid process
- e) The suture that connects the occipital bone with the two parietal bones is the squamous suture

21. Which of the following best describes the sacrum?

- a) it articulates with the 12th thoracic vertebrae
- b) it is not part of the axial skeleton
- c) it consists of five fused vertebrae
- d) it is also known as the tailbone

e) B and C

22. Which of the following is the abnormal curve often seen in pregnant women as they attempt to preserve their center of gravity toward the end of the pregnancy?

- A) kyphosis
- B) hunchback
- C) scoliosis
- D) lordosis

23. All of the following influence joint stability except for:

- a) shape of articulating surfaces
- b) bone density
- c) muscle tone
- d) degree of ligament stretch

24. Jane has an upper respiratory infection and begins to feel pain in her teeth. This is a good implication that the infection is located in the:

- a) frontal sinuses
- b) sphenoid bone
- c) temporal bone
- d) maxillary sinuses
- e) zygomatic bones

25. In thick skin, the order of the cells of the epidermis, from DEEP to SUPERFICIAL are:

- a) stratum corneum, stratum lucidum, stratum spinosum, stratum granulosum, stratum basale
- b) stratum corneum, stratum spinosum, stratum lucidum, stratum granulosum, stratum basale
- c) stratum basale, stratum spinosum, stratum granulosum, stratum lucidum, stratum corneum
- d) stratum granulosum, stratum basale, stratum lucidum, stratum spinosum, stratum corneum
- e) stratum basale, stratum corneum, stratum spinosum, stratum lucidum, stratum granulosum

26. Which of the following statements is true?

- a) the manubrium articulates with the first three thoracic ribs
- b) the scapula articulates with the vertebral at the level of T4 and T5
- c) the posterior ligament of the vertebral column is broader and stronger than the anterior ligament
- d) there are 14 phalanges in each hand and also in each foot
- e) the sternal angle links the body of the sternum with the xiphoid process

27. The superior nasal concha is part of which bone?

- a) nasal
- b) ethmoid
- c) vomer
- d) sphenoid

e) maxilla

28. Which of the following statements best describes what fingernails actually are?

- a) modification of the epidermis
- b) identical to hair but contain ten times more keratin
- c) extensions of the carpal bones
- d) have nothing to do with the skin

29. Articulations permitting only slight degrees of movement are:

- A) amphiarthroses
- B) synarthroses
- C) diarthroses
- D) synovial joints

30. In the knee joint, body weight is transferred from the femur to the:

- a) tibia
- b) fibula
- c) both the tibia and fibula
- d) patella
- d) tibia, fibula and patella

31. Your anatomy instructor asks you to locate the lateral malleolus. What bone do you pick up?

- a) calcaneus
- b) ulna
- c) fibula
- d) tibia
- e) radius

32. Each of the following bones contributes to the formation of the orbit EXCEPT the:

- a) lacrimal bone
- b) nasal bone
- c) frontal bone
- d) sphenoid bone
- e) palatine bone

33. The annulus fibrosus and nucleus pulposus are structures associated with the

- a) intervertebral discs
- b) knee and elbow
- c) shoulder and hip
- d) carpal and tarsal bones

34. Acne is a disorder associated with:

- a) sweat glands
- b) sebaceous glands
- c) sudoriferous glands
- d) ceruminous glands

35. In the elbow the trochlea articulates with the:

- a) humerus
- b) radius

- c) ulna
- d) all of the above

36. The distal end of the tibia articulates with the

- a) talus
- b) fibula
- c) patella
- d) calcaneous

37. Assuming the body is in the anatomical position, the nose is _____ to the ears and the elbow is _____ to the wrist.

- a) medial, proximal
- b) anterior, proximal
- c) superior, distal
- d) superior, inferior
- e) medial, distal

38. Which of the following is true about melanin?

- a) it is produced by melanocytes and is stored in keratinocytes
- b) it is present in carrots and other orange plant foods
- c) it makes skin touch and waterproof
- d) it connects the epidermis to dermis

39. Which of the following statements about the lower limb is false?

- a) the bones of the foot are divided into groups called tarsal bones, metatarsal bones and phalanges
- b) In the anatomical position, the tibia is found medial to the fibula
- c) the interosseus membranes of the leg is in between the tibia and the fibula
- d) the leg bones include only the tibia and the fibula
- e) the fibula participates in the formation of the knee joint

40. Which of the following groupings of abdominopelvic cavities is medial?

- a) hypogastric, umbilical and epigastric
- b) hypochondriac, hypogastric and umbilical
- c) hypochondriac, lumbar and inguinal
- d) lumbar, umbilical and iliac
- e) iliac, umbilical and hypochondriac

41. Which of the following is paired correctly?

- a) head of the femur// glenoid cavity
- b) fibrous joint // suture
- c) olecranon//mandible
- d) atlas// cervical vertebra #2
- e) greater trochanter// humerus

42. The _____ is the later of a hair shaft where pigment is found.

43. The _____ bones form the palm of the hand

44. Testosterone induced growth of facial hair in a woman is called _____.

45. The _____ suture connects a parietal bone with a temporal bone.

46. The manubrium of the sternum articulates with the first pair of ribs, the body of the sternum and the _____.
47. The _____ is part of the os coxa on which you sit.
48. The _____ region of the temporal bone houses the middle and ear cavities.