

Assignment #2 - Cells and Tissues**Due: 11:00pm on Tuesday, September 17, 2019**To understand how points are awarded, read the [Grading Policy](#) for this assignment.

Chapter 1 Reading Quiz Question 9

Part A

Which level of structural organization is considered to be the highest level?

ANSWER:

- cellular
- chemical
- organismal
- organ

Correct

Chapter 1 Multiple Choice Question 1

Part A

Histology would be best defined as a study of _____.

ANSWER:

- cells
- cell chemistry
- tissues
- the gross structures of the body

Correct

Chapter Test - Chapter 3 Question 17

Part A

The nucleolus:

ANSWER:

- is a dark-staining spherical body found within the mitochondria.
- is the site of lipid production in a cell.
- is the site of ribosome assembly in a cell.
- is the primary site of protein synthesis.

Correct

Reading Quiz - Chapter 3 Question 6

Part A

Which cell organelle provides the majority of the ATP needed by the cell to carry out its metabolic reactions?

ANSWER:

- lysosome
- ribosome
- Golgi apparatus
- mitochondrion

Correct

Reading Quiz - Chapter 3 Question 8

Part A

Which cell component helps to maintain the structural integrity of the cell?

ANSWER:

- centriole
- peroxisome
- cytoskeleton
- ribosome

Correct

Chapter 3 Multiple Choice Question 40

Part A

The functions of centrioles include _____.

ANSWER:

- serving as the site for ribosomal RNA synthesis
- producing ATP
- providing a whiplike beating motion to move substances along cell surfaces
- organizing the mitotic spindle in cell division

Correct

Chapter 3 True/False Question 21

Part A

Microtubules are hollow tubes made of subunits of the protein tubulin.

ANSWER:

- True
- False

Correct

Chapter Test - Chapter 4 Question 5

Part A

Which of the following is *incorrectly* matched?

ANSWER:

- Stratified squamous epithelia: found in areas subjected to wear and tear
- Simple cuboidal epithelia: found in areas that stretch
- Simple columnar epithelia: associated with absorption and secretion
- Simple squamous epithelia: associated with filtration and exchange

Correct

Chapter Test - Chapter 4 Question 6

Part A

Where is transitional epithelium found?

ANSWER:

- In areas involved in filtration
- In areas involved in absorption
- In areas subjected to stretching
- In areas subject to wear and tear

Correct

Chapter Test - Chapter 4 Question 9

Part A

Which of the following describes a holocrine gland?

ANSWER:

- Holocrine glands secrete their products by pinching off the apex of the cell.
- Holocrine glands secrete their products by endocytosis.
- Holocrine glands secrete their products by exocytosis.
- Holocrine glands secrete their products by rupturing.

Correct

Chapter Test - Chapter 4 Question 11

Part A

_____ is a water-soluble, complex glycoprotein that is secreted by all unicellular exocrine glands.

ANSWER:

- Mucin
- A hormone
- An enzyme
- An amino acid
- Salt

Correct

Chapter Test - Chapter 4 Question 13

Part A

In connective tissue, the role of collagen fibers is to:

ANSWER:

- retain fluid.
- provide elasticity.
- provide tensile strength.
- form delicate networks around blood vessels.

Correct

Reading Quiz - Chapter 4 Question 3

Part A

Which type of gland produces hormones?

ANSWER:

- holocrine glands
- endocrine glands
- multicellular exocrine glands
- unicellular exocrine glands

Correct

Chapter 4 Multiple Choice Question 22

Part A

_____ epithelium appears to have two or three layers of cells, but all the cells are in contact with the basement membrane.

ANSWER:

- Transitional
- Stratified columnar
- Pseudostratified columnar
- Stratified cuboidal

Correct

Chapter 4 True/False Question 19

Part A

Most connective tissues have regenerative capacity, while most epithelial tissues do not.

ANSWER:

- True
- False

Correct

Chapter Test - Chapter 4 Question 14

Part A

Which of the following is *correctly* matched?

ANSWER:

- Connective tissue proper: chondrocyte
- Cartilage: fibroblast
- Bone: osteoblast
- Bone: fibroblast

Correct

Chapter Test - Chapter 4 Question 15

Part A

Which of the following is *not* a role of connective tissue?

ANSWER:

- Absorption
- Protection
- Support
- Insulation

Correct

Chapter 4 Multiple Choice Question 2

Part A

The reason that intervertebral discs exhibit a large amount of tensile strength to absorb shock is because they possess _____.

ANSWER:

- hydroxyapatite crystals
- reticular fibers
- collagen fibers
- elastic fibers

Correct

Score Summary:

Your score on this assignment is 98.1%.

You received 17.67 out of a possible total of 18 points.