

A&P 04 Tissue Level of Organization MCQ

Author: OpenStax College

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4. Chapter: A&P 04 Tissue Level of Organization MCQ

1. A&P 04 Tissue Level of Organization MCQ Questions

4.1.1. Which of the following is not a type of tissue?

Author: OpenStax College

Which of the following is not a type of tissue?

Please choose only one answer:

- muscle
- nervous
- embryonic
- epithelial

Check the answer of this question online at QuizOver.com:

Question: [Which of the following is not a type of OpenStax College Anatomy](#)

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<http://www.quizover.com/flashcards/which-of-the-following-is-not-a-type-of-openstax-college-anatomy?pdf=1505>

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4.1.2. The process by which a less specialized cell matures into a more sp...

Author: OpenStax College

The process by which a less specialized cell matures into a more specialized cell is called _____.

Please choose only one answer:

- differentiation
- maturation
- modification
- specialization

Check the answer of this question online at QuizOver.com:

Question: [The process by which a less specialized OpenStax College Anatomy](#)

Flashcards:

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4.1.3. Differentiated cells in a developing embryo derive from _____.

Author: OpenStax College

Differentiated cells in a developing embryo derive from _____.

Please choose only one answer:

- endothelium, mesothelium, and epithelium
- ectoderm, mesoderm, and endoderm
- connective tissue, epithelial tissue, and muscle tissue
- epidermis, mesoderm, and endothelium

Check the answer of this question online at QuizOver.com:

Question: [Differentiated cells in a developing embryo OpenStax College Anatomy](#)

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4.1.4. Which of the following lines the body cavities exposed to the exter...

Author: OpenStax College

Which of the following lines the body cavities exposed to the external environment?

Please choose only one answer:

- mesothelium
- lamina propria
- mesenteries
- mucosa

Check the answer of this question online at QuizOver.com:

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4.1.5. In observing epithelial cells under a microscope, the cells are arr...

Author: OpenStax College

In observing epithelial cells under a microscope, the cells are arranged in a single layer and look tall and narrow, and the nucleus is located close to the basal side of the cell.

The specimen is what type of epithelial tissue?

Please choose only one answer:

- columnar
- stratified
- squamous
- transitional

Check the answer of this question online at QuizOver.com:

Question: [In observing epithelial cells under a OpenStax College Anatomy Quest](#)

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4.1.6. Which of the following is the epithelial tissue that lines the inte...

Author: OpenStax College

Which of the following is the epithelial tissue that lines the interior of blood vessels?

Please choose only one answer:

- columnar
- pseudostratified
- simple squamous
- transitional

Check the answer of this question online at QuizOver.com:

Question: [Which of the following is the epithelial OpenStax College Anatomy](#)

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4.1.7. Which type of epithelial tissue specializes in moving particles acr...

Author: OpenStax College

Which type of epithelial tissue specializes in moving particles across its surface and is found in airways and lining of the oviduct?

Please choose only one answer:

- transitional
- stratified columnar
- pseudostratified ciliated columnar
- stratified squamous

Check the answer of this question online at QuizOver.com:

Question: [Which type of epithelial tissue specializes OpenStax College Anatomy](#)

Flashcards:

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4.1.8. The _____ exocrine gland stores its secretion until the glandula...

Author: OpenStax College

The _____ exocrine gland stores its secretion until the glandular cell ruptures, whereas the _____ gland releases its apical region and reforms.

Please choose only one answer:

- holocrine; apocrine
- eccrine; endocrine
- apocrine; holocrine
- eccrine; apocrine

Check the answer of this question online at QuizOver.com:

Question: [The exocrine gland stores its secretion OpenStax College Anatomy](#)

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4.1.9. Connective tissue is made of which three essential components?

Author: OpenStax College

Connective tissue is made of which three essential components?

Please choose only one answer:

- cells, ground substance, and carbohydrate fibers
- cells, ground substance, and protein fibers
- collagen, ground substance, and protein fibers
- matrix, ground substance, and fluid

Check the answer of this question online at QuizOver.com:

Question: [Connective tissue is made of which three OpenStax College Anatomy](#)

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4.1.10. Under the microscope, a tissue specimen shows cells located in spac...

Author: OpenStax College

Under the microscope, a tissue specimen shows cells located in spaces scattered in a transparent background. This is probably _____.

Please choose only one answer:

- loose connective tissue
- a tendon
- bone
- hyaline cartilage

Check the answer of this question online at QuizOver.com:

Question: [Under the microscope a tissue specimen OpenStax College Anatomy Quest](#)

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4.1.11. Which connective tissue specializes in storage of fat?

Author: OpenStax College

Which connective tissue specializes in storage of fat?

Please choose only one answer:

- tendon
- adipose tissue
- reticular tissue
- dense connective tissue

Check the answer of this question online at QuizOver.com:

Question: [Which connective tissue specializes in OpenStax College Anatomy Quest](#)

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4.1.12. Ligaments connect bones together and withstand a lot of stress. Wha...

Author: OpenStax College

Ligaments connect bones together and withstand a lot of stress. What type of connective tissue should you expect ligaments to contain?

Please choose only one answer:

- areolar tissue
- adipose tissue
- dense regular connective tissue
- dense irregular connective tissue

Check the answer of this question online at QuizOver.com:

Question: [Ligaments connect bones together and OpenStax College Anatomy Quest](#)

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4.1.13. In adults, new connective tissue cells originate from the _____.

Author: OpenStax College

In adults, new connective tissue cells originate from the _____.

Please choose only one answer:

- mesoderm
- mesenchyme
- ectoderm
- endoderm

Check the answer of this question online at QuizOver.com:

Question: [In adults new connective tissue cells OpenStax College Anatomy Quest](#)

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4.1.14. In bone, the main cells are _____.

Author: OpenStax College

In bone, the main cells are _____.

Please choose only one answer:

- fibroblasts
- chondrocytes
- lymphocytes
- osteocytes

Check the answer of this question online at QuizOver.com:

Question: [In bone the main cells are . OpenStax College Anatomy Physiology](#)

Flashcards:

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4.1.15. Striations, cylindrical cells, and multiple nuclei are observed in ...

Author: OpenStax College

Striations, cylindrical cells, and multiple nuclei are observed in _____.

Please choose only one answer:

- skeletal muscle only
- cardiac muscle only
- smooth muscle only
- skeletal and cardiac muscles

Check the answer of this question online at QuizOver.com:

Question: [Striations cylindrical cells and multiple OpenStax College Anatomy](#)

Flashcards:

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4.1.16. The cells of muscles, myocytes, develop from _____.

Author: OpenStax College

The cells of muscles, myocytes, develop from _____.

Please choose only one answer:

- myoblasts
- endoderm
- fibrocytes
- chondrocytes

Check the answer of this question online at QuizOver.com:

Question: [The cells of muscles myocytes develop from OpenStax College Anatomy](#)

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4.1.17. Skeletal muscle is composed of very hard working cells.

Which organ...

Author: OpenStax College

Skeletal muscle is composed of very hard working cells.

Which organelles do you expect to find in abundance in skeletal muscle cell?

Please choose only one answer:

- nuclei
- striations
- golgi bodies
- mitochondria

Check the answer of this question online at QuizOver.com:

Question: [Skeletal muscle is composed of very hard OpenStax College Anatomy](#)

Flashcards:

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4.1.18. The cells responsible for the transmission of the nerve impulse are...

Author: OpenStax College

The cells responsible for the transmission of the nerve impulse are _____.

Please choose only one answer:

- neurons
- oligodendrocytes
- astrocytes
- microglia

Check the answer of this question online at QuizOver.com:

Question: [The cells responsible for the transmission OpenStax College Anatomy](#)

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4.1.19. The nerve impulse travels down a(n) _____, away from the cell body.

Author: OpenStax College

The nerve impulse travels down a(n) _____, away from the cell body.

Please choose only one answer:

- dendrite
- axon
- microglia
- collagen fiber

Check the answer of this question online at QuizOver.com:

Question: [The nerve impulse travels down a n away OpenStax College Anatomy](#)

Flashcards:

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Interactive Question:

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4.1.20. Which of the following central nervous system cells regulate ions, ...

Author: OpenStax College

Which of the following central nervous system cells regulate ions, regulate the uptake and/or breakdown of some neurotransmitters, and contribute to the formation of the blood-brain barrier?

Please choose only one answer:

- microglia
- neuroglia
- oligodendrocytes
- astrocytes

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Which of the following central nervous OpenStax College Anatomy Quest](#)

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4.1.21. Which of the following processes is not a cardinal sign of inflamma...

Author: OpenStax College

Which of the following processes is not a cardinal sign of inflammation?

Please choose only one answer:

- redness
- heat
- fever
- swelling

Check the answer of this question online at QuizOver.com:

Question: [Which of the following processes is not OpenStax College Anatomy](#)

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4.1.22. When a mast cell reacts to an irritation, which of the following ch...

Author: OpenStax College

When a mast cell reacts to an irritation, which of the following chemicals does it release?

Please choose only one answer:

- collagen
- histamine
- hyaluronic acid
- meylin

Check the answer of this question online at QuizOver.com:

Question: [When a mast cell reacts to an irritation OpenStax College Anatomy](#)

Flashcards:

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4.1.23. Atrophy refers to _____.

Author: OpenStax College

Atrophy refers to _____.

Please choose only one answer:

- loss of elasticity
- loss of mass
- loss of rigidity
- loss of permeability

Check the answer of this question online at QuizOver.com:

Question: [Atrophy refers to . OpenStax College Anatomy Physiology 04: Tissue](#)

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4.1.24. Individuals can slow the rate of aging by modifying all of these li...

Author: OpenStax College

Individuals can slow the rate of aging by modifying all of these lifestyle aspects except for _____.

Please choose only one answer:

- diet
- exercise
- genetic factors
- stress

Check the answer of this question online at QuizOver.com:

Question: [Individuals can slow the rate of aging by OpenStax College Anatomy](#)

Flashcards:

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