

A&P 01 Human Body Anatomy & Physiology MCQ

Author: OpenStax College

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4. Chapter: A&P 01 Human Body Anatomy & Physiology MCQ

1. A&P 01 Human Body Anatomy & Physiology MCQ Questions

4.1.1. Which of the following specialties might focus on studying all of t...

Author: OpenStax College

Which of the following specialties might focus on studying all of the structures of the ankle and foot?

Please choose only one answer:

- microscopic anatomy
- muscle anatomy
- regional anatomy
- systemic anatomy

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

Question: [Which of the following specialties might OpenStax College Human Quest](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-specialties-might-openstax-college-human-quest?pdf=1505>

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4.1.2. A scientist wants to study how the body uses foods and fluids durin...

Author: OpenStax College

A scientist wants to study how the body uses foods and fluids during a marathon run. This scientist is most likely a(n) _____.

Please choose only one answer:

- exercise physiologist
- microscopic anatomist
- regional physiologist
- systemic anatomist

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

Question: [A scientist wants to study how the body OpenStax College Human Quest](#)

Flashcards:

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4.1.3. The smallest independently functioning unit of an organism is a(n) ...

Author: OpenStax College

The smallest independently functioning unit of an organism is a(n) _____.

Please choose only one answer:

- cell
- molecule
- organ
- tissue

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

Question: [The smallest independently functioning OpenStax College Human Body](#)

Flashcards:

<http://www.quizover.com/flashcards/the-smallest-independently-functioning-openstax-college-human-body?pdf=1505>

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4.1.4. A collection of similar tissues that performs a specific function i...

Author: OpenStax College

A collection of similar tissues that performs a specific function is an _____.

Please choose only one answer:

- organ
- organelle
- organism
- organ system

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

Question: [A collection of similar tissues that OpenStax College Human Body](#)

Flashcards:

<http://www.quizover.com/flashcards/a-collection-of-similar-tissues-that-openstax-college-human-body?pdf=1505>

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4.1.5. The body system responsible for structural support and movement is ...

Author: OpenStax College

The body system responsible for structural support and movement is the _____.

Please choose only one answer:

- cardiovascular system
- endocrine system
- muscular system
- skeletal system

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

Question: [The body system responsible for structural OpenStax College Human](#)

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4.1.6. Metabolism can be defined as the _____.

Author: OpenStax College

Metabolism can be defined as the _____.

Please choose only one answer:

- adjustment by an organism to external or internal changes
- process whereby all unspecialized cells become specialized to perform distinct functions
- process whereby new cells are formed to replace worn-out cells
- sum of all chemical reactions in an organism

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

Question: [Metabolism can be defined as the . OpenStax College Human Body Quest](#)

Flashcards:

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Interactive Question:

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4.1.7. Adenosine triphosphate (ATP) is an important molecule because it ____.

Author: OpenStax College

Adenosine triphosphate (ATP) is an important molecule because it _____.

Please choose only one answer:

- is the result of catabolism
- release energy in uncontrolled bursts
- stores energy for use by body cells
- All of the above

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

Question: [Adenosine triphosphate ATP is an important OpenStax College Human](#)

Flashcards:

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Interactive Question:

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4.1.8. Cancer cells can be characterized as "generic" cells that perform n...

Author: OpenStax College

Cancer cells can be characterized as "generic" cells that perform no specialized body function. Thus cancer cells lack _____.

Please choose only one answer:

- differentiation
- reproduction
- responsiveness
- both reproduction and responsiveness

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

Question: [Cancer cells can be characterized as OpenStax College Human Body](#)

Flashcards:

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4.1.9. Humans have the most urgent need for a continuous supply of _____.

Author: OpenStax College

Humans have the most urgent need for a continuous supply of _____.

Please choose only one answer:

- food
- nitrogen
- oxygen
- water

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

Question: [Humans have the most urgent need for a OpenStax College Human Body](#)

Flashcards:

<http://www.quizover.com/flashcards/humans-have-the-most-urgent-need-for-a-openstax-college-human-body?pdf=1505>

Interactive Question:

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4.1.10. Which of the following statements about nutrients is true?

Author: OpenStax College

Which of the following statements about nutrients is true?

Please choose only one answer:

- All classes of nutrients are essential to human survival.
- Because the body cannot store any micronutrients, they need to be consumed nearly every day.
- Carbohydrates, lipids, and proteins are micronutrients.
- Macronutrients are vitamins and minerals.

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

Question: [Which of the following statements about OpenStax College Human](#)

Flashcards:

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4.1.11. C.J. is stuck in her car during a bitterly cold blizzard. Her body ...

Author: OpenStax College

C.J. is stuck in her car during a bitterly cold blizzard. Her body responds to the cold by _____.

Please choose only one answer:

- increasing the blood to her hands and feet
- becoming lethargic to conserve heat
- breaking down stored energy
- significantly increasing blood oxygen levels

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

Question: [C.J. is stuck in her car during a bitterly OpenStax College Human](#)

Flashcards:

<http://www.quizover.com/flashcards/c-j-is-stuck-in-her-car-during-a-bitterly-openstax-college-human?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/c-j-is-stuck-in-her-car-during-a-bitterly-openstax-college-human?pdf=1505>

4.1.12. After you eat lunch, nerve cells in your stomach respond to the dis...

Author: OpenStax College

After you eat lunch, nerve cells in your stomach respond

to the distension (the stimulus) resulting from the food. They

relay this information to _____.

Please choose only one answer:

- a control center
- a set point
- effectors
- sensors

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

Question: [After you eat lunch nerve cells in your OpenStax College Human](#)

Flashcards:

<http://www.quizover.com/flashcards/after-you-eat-lunch-nerve-cells-in-your-openstax-college-human?pdf=1505>

Interactive Question:

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4.1.13. Stimulation of the heat-loss center causes _____.

Author: OpenStax College

Stimulation of the heat-loss center causes _____.

Please choose only one answer:

- blood vessels in the skin to constrict
- breathing to become slow and shallow
- sweat glands to increase their output
- All of the above

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

Question: [Stimulation of the heat-loss center causes OpenStax College Human](#)

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4.1.14. Which of the following is an example of a normal physiologic proces...

Author: OpenStax College

Which of the following is an example of a normal

physiologic process that uses a positive feedback loop?

Please choose only one answer:

- blood pressure regulation
- childbirth
- regulation of fluid balance
- temperature regulation

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

Question: [Which of the following is an example of OpenStax College Human](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-is-an-example-of-openstax-college-human?pdf=1505>

Interactive Question:

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4.1.15. What is the position of the body when it is in the "normal anatomic...

Author: OpenStax College

What is the position of the body when it is in the "normal anatomical position?"

Please choose only one answer:

- The person is prone with upper limbs, including palms, touching sides and lower limbs touching at sides.
- The person is standing facing the observer, with upper limbs extended out at a ninety-degree angle from the torso and lower limbs in a wide stance with feet pointing laterally
- The person is supine with upper limbs, including palms, touching sides and lower limbs touching at sides.
- None of the above

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

Question: [What is the position of the body when it OpenStax College Human Quest](http://www.quizover.com/question/what-is-the-position-of-the-body-when-it-openstax-college-human-quest?pdf=1505)

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Interactive Question:

<http://www.quizover.com/question/what-is-the-position-of-the-body-when-it-openstax-college-human-quest?pdf=1505>

4.1.16. To make a banana split, you halve a banana into two long, thin, rig...

Author: OpenStax College

To make a banana split, you halve a banana into two

long, thin, right and left sides along the _____.

Please choose only one answer:

- coronal plane
- longitudinal plane
- midsagittal plane
- transverse plane

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

Question: [To make a banana split you halve a banana OpenStax College Human](#)

Flashcards:

<http://www.quizover.com/flashcards/to-make-a-banana-split-you-halve-a-banana-openstax-college-human?pdf=1505>

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4.1.17. The lumbar region is _____.

Author: OpenStax College

The lumbar region is _____.

Please choose only one answer:

- inferior to the gluteal region
- inferior to the umbilical region
- superior to the cervical region
- superior to the popliteal region

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

Question: [The lumbar region is . OpenStax College Human Body Anatomy Physiology](#)

Flashcards:

<http://www.quizover.com/flashcards/the-lumbar-region-is-openstax-college-human-body-anatomy-physiology?pdf=1505>

Interactive Question:

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4.1.18. The heart is within the _____.

Author: OpenStax College

The heart is within the _____.

Please choose only one answer:

- cranial cavity
- mediastinum
- posterior (dorsal) cavity
- All of the above

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

Question: [The heart is within the . OpenStax College Human Body Anatomy Quest](#)

Flashcards:

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Interactive Question:

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4.1.19. In 1901, Wilhelm Röntgen was the first person to win the Nobel Prize...

Author: OpenStax College

In 1901, Wilhelm Röntgen was the first person to win

the Nobel Prize for physics. For what discovery did he win?

Please choose only one answer:

- nuclear physics
- radiopharmaceuticals
- the link between radiation and cancer
- X-rays

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

Question: [In 1901 Wilhelm Röntgen was the first OpenStax College Human Body](#)

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4.1.20. Which of the following imaging techniques would be best to use to s...

Author: OpenStax College

Which of the following imaging techniques would be

best to use to study the uptake of nutrients by rapidly

multiplying cancer cells?

Please choose only one answer:

- CT
- MRI
- PET
- ultrasonography

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

Question: [Which of the following imaging techniques OpenStax College Human](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-imaging-techniques-openstax-college-human?pdf=1505>

Interactive Question:

<http://www.quizover.com/question/which-of-the-following-imaging-techniques-openstax-college-human?pdf=1505>

4.1.21. Which of the following imaging studies can be used most safely during pregnancy?

Author: OpenStax College

Which of the following imaging studies can be used

most safely during pregnancy?

Please choose only one answer:

- CT scans
- PET scans
- ultrasounds
- X-rays

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

Question: [Which of the following imaging studies OpenStax College Human Body](#)

Flashcards:

<http://www.quizover.com/flashcards/which-of-the-following-imaging-studies-openstax-college-human-body?pdf=1505>

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4.1.22. What are two major disadvantages of MRI scans?

Author: OpenStax College

What are two major disadvantages of MRI scans?

Please choose only one answer:

- release of radiation and poor quality images
- high cost and the need for shielding from the magnetic signals
- can only view metabolically active tissues and inadequate availability of equipment
- release of radiation and the need for a patient to be confined to metal tube for up to 30 minutes

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

Question: [What are two major disadvantages of MRI OpenStax College Human](#)

Flashcards:

<http://www.quizover.com/flashcards/what-are-two-major-disadvantages-of-mri-openstax-college-human?pdf=1505>

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