

Anatomy & A&P 07 Axial Skeleton MCQ

Author: OpenStax College

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4. Chapter: A&P 07 Axial Skeleton MCQ

1. A&P 07 Axial Skeleton MCQ Questions

4.1.1. Which of the following is part of the axial skeleton?

Author: OpenStax College

Which of the following is part of the axial skeleton?

Please choose only one answer:

- shoulder bones
- thigh bone
- foot bones
- vertebral column

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

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

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4.1.2. Which of the following is a function of the axial skeleton?

Author: OpenStax College

Which of the following is a function of the axial skeleton?

Please choose only one answer:

- allows for movement of the wrist and hand
- protects nerves and blood vessels at the elbow
- supports trunk of body
- allows for movements of the ankle and foot

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

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

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4.1.3. The axial skeleton _____.

Author: OpenStax College

The axial skeleton _____.

Please choose only one answer:

- consists of 126 bones
- forms the vertical axis of the body
- includes all bones of the body trunk and limbs
- includes only the bones of the lower limbs

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

Question: [The axial skeleton . OpenStax College Anatomy Physiology 07: Skele](#)

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4.1.4. Which of the following is a bone of the brain case?

Author: OpenStax College

Which of the following is a bone of the brain case?

Please choose only one answer:

- parietal bone
- zygomatic bone
- maxillary bone
- lacrimal bone

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

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

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4.1.5. The lambdoid suture joins the parietal bone to the _____.

Author: OpenStax College

The lambdoid suture joins the parietal bone to the _____.

Please choose only one answer:

- frontal bone
- occipital bone
- other parietal bone
- temporal bone

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

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4.1.6. The middle cranial fossa _____.

Author: OpenStax College

The middle cranial fossa _____.

Please choose only one answer:

- is bounded anteriorly by the petrous ridge
- is bounded posteriorly by the lesser wing of the sphenoid bone
- is divided at the midline by a small area of the ethmoid bone
- has the foramen rotundum, foramen ovale, and foramen spinosum

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

Question: [The middle cranial fossa . OpenStax College Anatomy Physiology 07](#)

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Interactive Question:

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4.1.7. The paranasal sinuses are _____.

Author: OpenStax College

The paranasal sinuses are _____.

Please choose only one answer:

- air-filled spaces found within the frontal, maxilla, sphenoid, and ethmoid bones only
- air-filled spaces found within all bones of the skull
- not connected to the nasal cavity
- divided at the midline by the nasal septum

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

Question: [The paranasal sinuses are . OpenStax College Anatomy Physiology 0](#)

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4.1.8. Parts of the sphenoid bone include the _____.

Author: OpenStax College

Parts of the sphenoid bone include the _____.

Please choose only one answer:

- sella turcica
- squamous portion
- glabella
- zygomatic process

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

Question: [Parts of the sphenoid bone include the . OpenStax College Anatomy](#)

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4.1.9. The bony openings of the skull include the _____.

Author: OpenStax College

The bony openings of the skull include the _____.

Please choose only one answer:

- carotid canal, which is located in the anterior cranial fossa
- superior orbital fissure, which is located at the superior margin of the anterior orbit
- mental foramen, which is located just below the orbit
- hypoglossal canal, which is located in the posterior cranial fossa

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

Question: [The bony openings of the skull include OpenStax College Anatomy Quest](#)

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4.1.10. The cervical region of the vertebral column consists of _____.

Author: OpenStax College

The cervical region of the vertebral column consists of _____.

Please choose only one answer:

- seven vertebrae
- 12 vertebrae
- five vertebrae
- a single bone derived from the fusion of five vertebrae

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

Question: [The cervical region of the vertebral column OpenStax College Anatomy](#)

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4.1.11. The primary curvatures of the vertebral column _____.

Author: OpenStax College

The primary curvatures of the vertebral column _____.

Please choose only one answer:

- include the lumbar curve
- are remnants of the original fetal curvature
- include the cervical curve
- develop after the time of birth

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

Question: [The primary curvatures of the vertebral OpenStax College Anatomy](#)

Flashcards:

<http://www.quizover.com/flashcards/the-primary-curvatures-of-the-vertebral-openstax-college-anatomy?pdf=1505>

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4.1.12. A typical vertebra has _____.

Author: OpenStax College

A typical vertebra has _____.

Please choose only one answer:

- a vertebral foramen that passes through the body
- a superior articular process that projects downward to articulate with the superior portion of the next lower vertebra
- lamina that spans between the transverse process and spinous process
- a pair of laterally projecting spinous processes

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

Question: [A typical vertebra has . OpenStax College Anatomy Physiology 07:](#)

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4.1.13. A typical lumbar vertebra has _____.

Author: OpenStax College

A typical lumbar vertebra has _____.

Please choose only one answer:

- a short, rounded spinous process
- a bifid spinous process
- articulation sites for ribs
- a transverse foramen

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

Question: [A typical lumbar vertebra has . OpenStax College Anatomy Physiology](#)

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4.1.14. Which is found only in the cervical region of the vertebral column?

Author: OpenStax College

Which is found only in the cervical region of the vertebral column?

Please choose only one answer:

- nuchal ligament
- ligamentum flavum
- supraspinous ligament
- anterior longitudinal ligament

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

Question: [Which is found only in the cervical region OpenStax College Anatomy](#)

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4.1.15. The sternum _____.

Author: OpenStax College

The sternum _____.

Please choose only one answer:

- consists of only two parts, the manubrium and xiphoid process
- has the sternal angle located between the manubrium and body
- receives direct attachments from the costal cartilages of all 12 pairs of ribs
- articulates directly with the thoracic vertebrae

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

Question: [The sternum . OpenStax College Anatomy Physiology 07: Axial Skele](#)

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4.1.16. The sternal angle is the _____.

Author: OpenStax College

The sternal angle is the _____.

Please choose only one answer:

- junction between the body and xiphoid process
- site for attachment of the clavicle
- site for attachment of the floating ribs
- junction between the manubrium and body

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

Question: [The sternal angle is the . OpenStax College Anatomy Physiology 07](#)

Flashcards:

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4.1.17. The tubercle of a rib _____.

Author: OpenStax College

The tubercle of a rib _____.

Please choose only one answer:

- is for articulation with the transverse process of a thoracic vertebra
- is for articulation with the body of a thoracic vertebra
- provides for passage of blood vessels and a nerve
- is the area of greatest rib curvature

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

Question: [The tubercle of a rib . OpenStax College Anatomy Physiology 07: Quest](#)

Flashcards:

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4.1.18. True ribs are _____.

Author: OpenStax College

True ribs are _____.

Please choose only one answer:

- ribs 8-12
- attached via their costal cartilage to the next higher rib
- made entirely of bone, and thus do not have a costal cartilage
- attached via their costal cartilage directly to the sternum

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

Question: [True ribs are . OpenStax College Anatomy Physiology 07: Axial Skele](#)

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4.1.19. Embryonic development of the axial skeleton involves _____.

Author: OpenStax College

Embryonic development of the axial skeleton involves _____.

Please choose only one answer:

- intramembranous ossification, which forms the facial bones.
- endochondral ossification, which forms the ribs and sternum
- the notochord, which produces the cartilage models for the vertebrae
- the formation of hyaline cartilage models, which give rise to the flat bones of the skull

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

Question: [Embryonic development of the axial skeleton OpenStax College Anatomy](#)

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4.1.20. A fontanelle _____.

Author: OpenStax College

A fontanelle _____.

Please choose only one answer:

- is the cartilage model for a vertebra that later is converted into bone
- gives rise to the facial bones and vertebrae
- is the rod-like structure that runs the length of the early embryo
- is the area of fibrous connective tissue found at birth between the brain case bones

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

Question: [A fontanelle . OpenStax College Anatomy Physiology 07: Axial Skele](#)

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