

# Biology 38

# The

# Musculoskeletal

# System MCQ

Author: OpenStax College

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## 4. Chapter: Biology 38 The Musculoskeletal System MCQ

### 1. Biology 38 The Musculoskeletal System MCQ Questions

#### 4.1.1. The forearm consists of the:

Author: OpenStax College

The forearm consists of the:

Please choose only one answer:

- radius and ulna
- radius and humerus
- ulna and humerus
- humerus and carpus

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

Question: [The forearm consists of the: OpenStax College Biology 38 Musculoskeletal](#)

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#### 4.1.2. The pectoral girdle consists of the:

Author: OpenStax College

The pectoral girdle consists of the:

Please choose only one answer:

- clavicle and sternum
- sternum and scapula
- clavicle and scapula
- clavicle and coccyx

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

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4.1.3. All of the following are groups of vertebrae except \_\_\_\_\_, which...

Author: OpenStax College

All of the following are groups of vertebrae except \_\_\_\_\_, which is a curvature.

Please choose only one answer:

- thoracic
- cervical
- lumbar
- pelvic

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

Question: [All of the following are groups of vertebrae OpenStax College Biology](#)

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#### 4.1.4. Which of these is a facial bone?

Author: OpenStax College

Which of these is a facial bone?

Please choose only one answer:

- frontal
- occipital
- lacrimal
- temporal

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

Question: [Which of these is a facial bone OpenStax College Biology 38 The Quest](#)

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#### 4.1.5. The Haversian canal:

Author: OpenStax College

The Haversian canal:

Please choose only one answer:

- is arranged as rods or plates
- contains the bone's blood vessels and nerve fibers
- is responsible for the lengthwise growth of long bones
- synthesizes and secretes matrix

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

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#### 4.1.6. The epiphyseal plate:

Author: OpenStax College

The epiphyseal plate:

Please choose only one answer:

- is arranged as rods or plates
- contains the bone's blood vessels and nerve fibers
- is responsible for the lengthwise growth of long bones
- synthesizes and secretes bone matrix

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

Question: [The epiphyseal plate: OpenStax College Biology 38 Musculoskeletal](#)

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4.1.7. The cells responsible for bone resorption are \_\_\_\_\_.

Author: OpenStax College

The cells responsible for bone resorption are \_\_\_\_\_.

Please choose only one answer:

- osteoclasts
- osteoblasts
- fibroblasts
- osteocytes

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

Question: [The cells responsible for bone resorption OpenStax College Biology](#)

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4.1.8. Compact bone is composed of \_\_\_\_\_.

Author: OpenStax College

Compact bone is composed of \_\_\_\_\_.

Please choose only one answer:

- trabeculae
- compacted collagen
- osteons
- calcium phosphate only

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

Question: [Compact bone is composed of . OpenStax College Biology 38 The Quest](#)

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#### 4.1.9. Synchondroses and symphyses are:

Author: OpenStax College

Synchondroses and symphyses are:

Please choose only one answer:

- synovial joints
- cartilaginous joints
- fibrous joints
- condyloid joints

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

Question: [Synchondroses and symphyses are: OpenStax College Biology 38 The](#)

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4.1.10. The movement of bone away from the midline of the body is called \_\_\_...

Author: OpenStax College

The movement of bone away from the midline of the body is called \_\_\_\_\_.

Please choose only one answer:

- circumduction
- extension
- adduction
- abduction

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

Question: [The movement of bone away from the midline OpenStax College Biology](#)

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#### 4.1.11. Which of the following is not a characteristic of the synovial fluid?

Author: OpenStax College

Which of the following is not a characteristic of the synovial fluid?

Please choose only one answer:

- lubrication
- shock absorption
- regulation of water balance in the joint
- protection of articular cartilage

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

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

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#### 4.1.12. The elbow is an example of which type of joint?

Author: OpenStax College

The elbow is an example of which type of joint?

Please choose only one answer:

- hinge
- pivot
- saddle
- gliding

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

Question: [The elbow is an example of which type of OpenStax College Biology](#)

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4.1.13. In relaxed muscle, the myosin-binding site on actin is blocked by \_...

Author: OpenStax College

In relaxed muscle, the myosin-binding site on actin is blocked by \_\_\_\_\_.

Please choose only one answer:

- titin
- troponin
- myoglobin
- tropomyosin

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

Question: [In relaxed muscle the myosin-binding site OpenStax College Biology](#)

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4.1.14. The cell membrane of a muscle fiber is called

a \_\_\_\_\_.

Author: OpenStax College

The cell membrane of a muscle fiber is called

a \_\_\_\_\_.

Please choose only one answer:

- myofibril
- sarcolemma
- sarcoplasm
- myofilament

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

Question: [The cell membrane of a muscle fiber is OpenStax College Biology 3](#)

Flashcards:

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#### 4.1.15. The muscle relaxes if no new nerve signal arrives. However the neur...

Author: OpenStax College

The muscle relaxes if no new nerve signal arrives. However the neurotransmitter from the previous stimulation is still present in the synapse. The activity of \_\_\_\_\_ helps to remove this neurotransmitter.

Please choose only one answer:

- myosin
- action potential
- tropomyosin
- acetylcholinesterase

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

Question: [The muscle relaxes if no new nerve signal OpenStax College Biology](#)

Flashcards:

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#### 4.1.16. The ability of a muscle to generate tension immediately after stimu...

Author: OpenStax College

The ability of a muscle to generate tension immediately after stimulation is dependent on:

Please choose only one answer:

- myosin interaction with the M line
- overlap of myosin and actin
- actin attachments to the Z line
- none of the above

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

Question: [The ability of a muscle to generate tension OpenStax College Biology](#)

Flashcards:

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