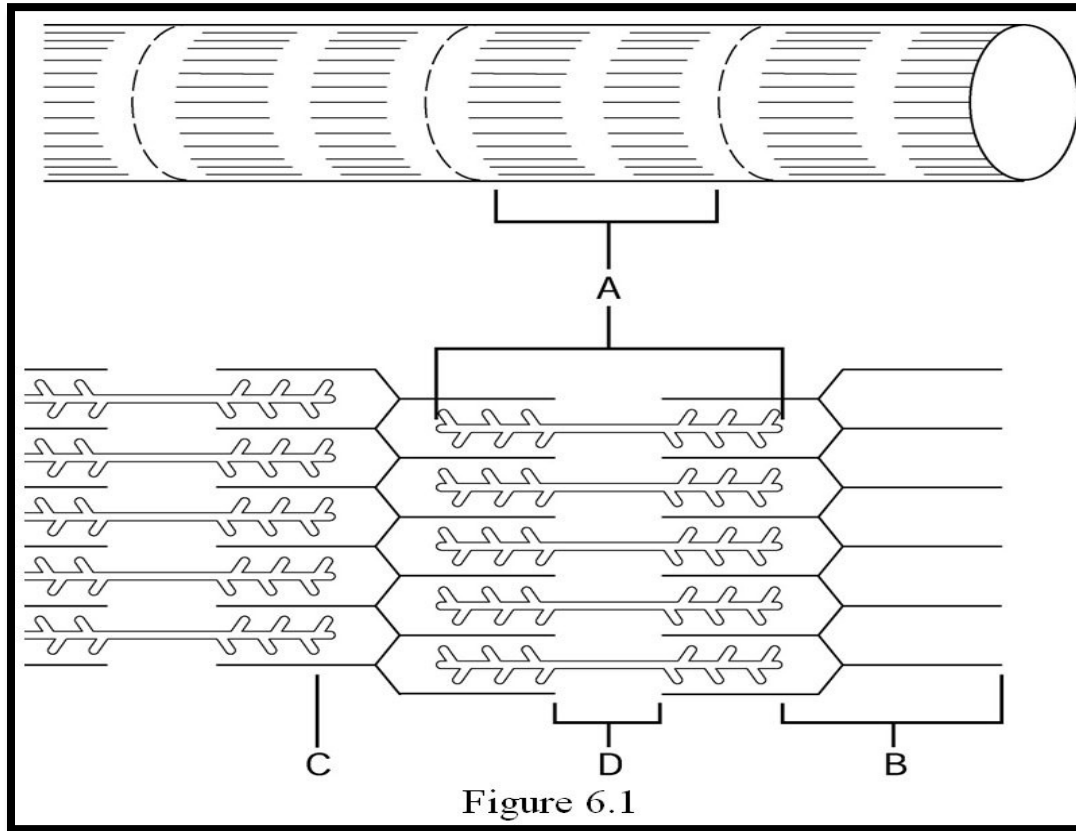


Review Worksheet: Skeletal Muscle Physiology

Identify the choice that best completes the statement or answers the question.



Using Figure 6.1, match the following:

1. The I band within a skeletal muscle fibre is indicated by ____.
a) Label A b) Label B c) Label C d) Label D
2. The A band within a skeletal muscle fibre is indicated by ____.
a) Label A b) Label B c) Label C d) Label D
3. The H zone, located within the A band, lacks thin filaments and is represented by ____.
a) Label A b) Label B c) Label C d) Label D
4. The myofilament composed of actin is indicated by ____.
a) Label A b) Label B c) Label C d) Label D

Review Worksheet: Skeletal Muscle Physiology

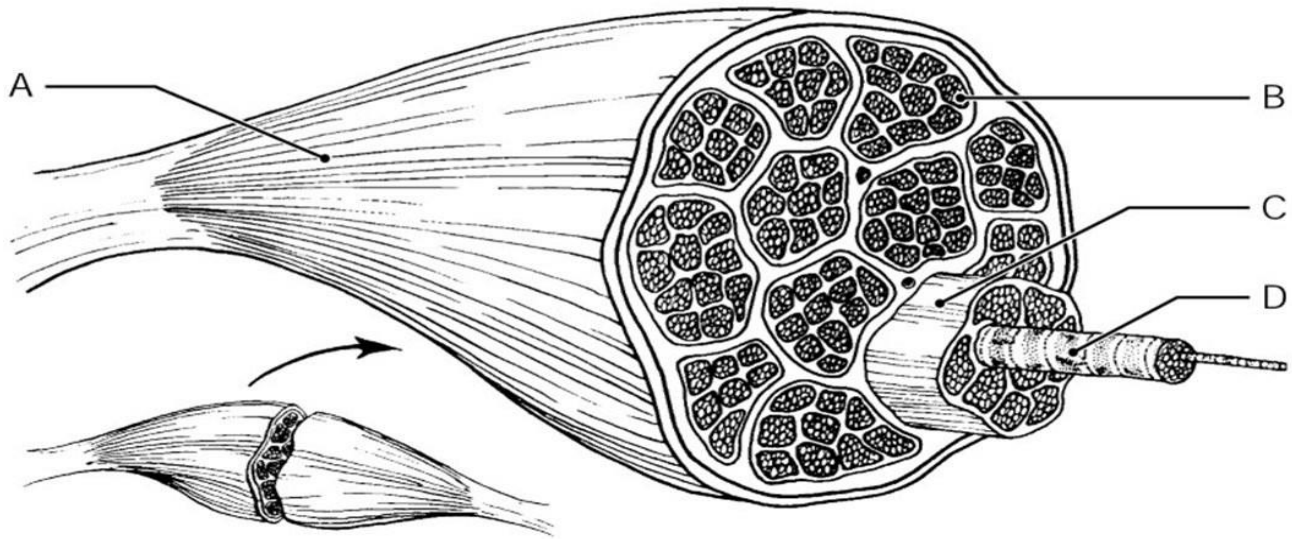


Figure 6.2

Using Figure 6.2, match the following:

5. The epimysium is represented by ____.

- a) Label A b) Label B c) Label C d) Label D

6. The perimysium wraps a fascicle of muscle cells and is represented by ____.

- a) Label A b) Label B c) Label C d) Label D

7. The muscle fiber (cell) is indicated by ____.

- a) Label A b) Label B c) Label C d) Label D

8. The endomysium that wraps individual muscle fibers is indicated by ____.

- a) Label A b) Label B c) Label C d) Label D

9. Striated involuntary muscle tissue is classified as ____ muscle.

- a) skeletal b) cardiac c) smooth d) either smooth or skeletal

10. The epimysium covering on the outside of the muscle can blend into cordlike ____ or sheetlike ____.

- a) tendons; aponeuroses b) ligaments; tendons c) fascia; ligaments d) aponeuroses; ligaments

11. The ____ is an organelle that wraps and surrounds the myofibril and stores calcium.

- a) cross bridge b) sarcomere c) sarcolemma d) sarcoplasmic reticulum

12. Striated involuntary muscle tissue found in the heart is ____.

- a) smooth muscle b) skeletal muscle c) dense regular d) cardiac muscle e) dense irregular

Review Worksheet: Skeletal Muscle Physiology

Match the following:

- a) smooth muscle tissue
- b) skeletal muscle tissue
- c) cardiac muscle tissue

- 13. Voluntary muscle tissue
- 14. Muscle tissue found only in the heart
- 15. Muscle tissue that forms valves to regulate the passage of substances through internal body openings
- 16. Muscle tissue that is multinucleate
- 17. Muscle tissue composed of branching cells and intercalated discs
- 18. Muscle tissue that activates move food through the digestive tract
- 19. Performs rhythmic contractions controlled by electric impulses
- 20. Muscle tissue that maintains posture, body position, and stabilizes joints