

Bio12-Q4W1-Ch.32-Skeletal and Muscles-H.W.**Multiple Choice**

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

- _____ 1. Which of the following examples illustrates a pivot joint in use?
- a. You wave good-bye to a friend.
 - b. You kick a football.
 - c. You look behind you.
 - d. You wind up to pitch a baseball.

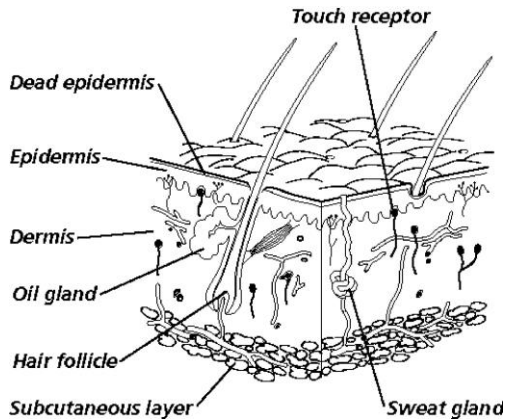


Figure 34-2

- _____ 2. Which portion of skin shown in Figure 34-2 is where a pimple forms?
- a. sweat gland
 - b. subcutaneous layer
 - c. oil gland
 - d. hair follicle
- _____ 3. Which portion of skin shown in Figure 34-2 changes when you get a suntan?
- a. dead epidermis
 - b. dermis
 - c. subcutaneous layer
 - d. epidermis
- _____ 4. Which portion of skin shown in Figure 34-2 contains sense receptors?
- a. dead epidermis
 - b. dermis
 - c. epidermis
 - d. subcutaneous layer
- _____ 5. Which type of muscle is found in internal organs?
- a. smooth
 - b. voluntary
 - c. striated
 - d. skeletal
- _____ 6. The first reaction of the body to a cut is to restore the continuity of the_____.
- a. capillaries
 - b. sweat glands
 - c. skin
 - d. none of these
- _____ 7. After suffering widespread third-degree burns, the burn victim_____.
- a. has slight damage to cells of the dermis
 - b. has a harder time regulating body temperature
 - c. is unlikely to incur bacterial infection
 - d. recovers in a short time

- _____ 8. By age 20, a person's bones stop growing because_____.
a. bone cells receive less oxygen and nutrients at that time
b. less calcium is present in the body
c. bone-forming cells are no longer present
d. hormones cause the growth centers at the ends of bones to degenerate

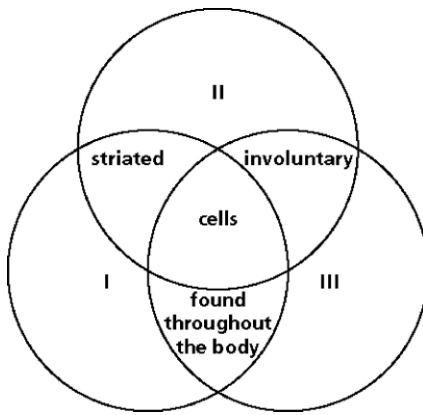


Figure 34-4

- _____ 9. Which type of muscle is labeled II in the Venn diagram shown in Figure 34-4?
a. cardiac
b. filament
c. smooth
d. skeletal
- _____ 10. Which type of muscle is labeled I in the Venn diagram shown in Figure 34-4?
a. skeletal
b. filament
c. smooth
d. cardiac
- _____ 11. Which type of muscle is labeled III in the Venn diagram shown in Figure 34-4?
a. skeletal
b. smooth
c. filament
d. cardiac

Name: _____

ID: B

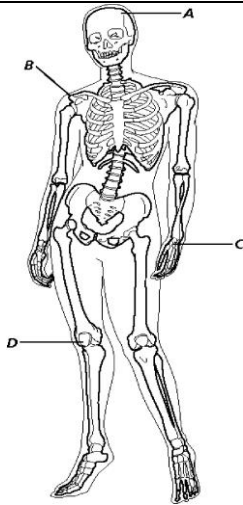


Figure 34-3

- _____ 12. Which area shown in Figure 34-3 is not involved in the production of blood cells?
- | | |
|------|------|
| a. B | c. A |
| b. C | d. D |
- _____ 13. Identify the ball-and-socket joints in Figure 34-3.
- | | |
|------|------|
| a. D | c. B |
| b. A | d. C |
- _____ 14. Which joints in Figure 34-3 do not move?
- | | |
|------|------|
| a. A | c. D |
| b. C | d. B |
- _____ 15. A(n)_____muscle contracts under unconscious control.
- | | |
|-------------|----------------|
| a. skeletal | c. voluntary |
| b. striated | d. involuntary |
- _____ 16. Contractions of_____muscle are slow and prolonged.
- | | |
|-------------|-----------------|
| a. skeletal | c. voluntary |
| b. smooth | d. all of these |
- _____ 17. What is an effect of aging on the skin?
- | | |
|-------------|-----------------|
| a. sagging | c. dryness |
| b. wrinkles | d. all of these |
- _____ 18. The skin regulates the temperature of the body on a hot day by_____.
- | | |
|---------------------------|------------------------------------|
| a. closing the pores | c. reducing access to the exterior |
| b. dilating blood vessels | d. constricting the blood |
- _____ 19. Which type of muscle makes up the heart?
- | | |
|-------------|-----------------|
| a. skeletal | c. smooth |
| b. cardiac | d. all of these |
- _____ 20. _____-degree burns involve the death of epidermal and dermal cells/layers.
- | | |
|-----------|----------|
| a. Fourth | c. First |
| b. Second | d. Third |

Name: _____

ID: B

Completion

Complete each statement from the list:

21. Contraction of _____ muscle, the muscle of internal organs, is slow and prolonged.
- A. skeletal B. smooth C. cardiac
22. Muscle strength depends on the _____ of the fibers and the number of fibers that contract at a time.
- A. thickness B. length C. sheath
23. Beneath the scab of a wound, _____ begin to multiply to fill in the gap.
- A. nerve cells B. muscle cells C. skin cells
24. Bones grow in length at the _____ of the bone.
- A. middle B. ends C. marrow
25. Bones grow in diameter on the _____ surface of the bone.
- A. outer B. inner
26. The _____ produces red blood cells, some white blood cells, and cell fragments involved in blood clotting.
- A. white B. red
27. When an inadequate supply of oxygen is available to meet a muscle cell's oxygen needs, the _____ energy system is the primary source of ATP.
- A. aerobic B. anaerobic
28. The mineral _____, found in dairy products, is a critical part of the diet for healthy, strong bones.
- A. calcium B. sodium C. copper

Name: _____

ID: B

Matching

Match each item with the correct statement below.

- | | |
|--------------|---------------|
| a. myofibril | f. bursa |
| b. joint | g. melanin |
| c. keratin | h. osteoblast |
| d. marrow | i. ligament |
| e. sarcomere | |

- _____ 29. Cell pigment that colors skin and protects it from solar radiation
- _____ 30. Soft tissue that fills center cavities of bones
- _____ 31. Fluid-filled sac between bones
- _____ 32. Where two or more bones meet
- _____ 33. One of the functional units of a myofibril
- _____ 34. Protein in dead epidermal cells that protects and waterproofs underlying cells
- _____ 35. Smaller fiber in a muscle fiber
- _____ 36. Band of tissue connecting bone to bone
- _____ 37. Potential bone cell found in cartilage of embryo

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