Anatomical Kinesiology 1st edition Gross Test Bank

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Chapter 2

Short Answer

1. What tissue of a bone organ plays a role in blood formation?

Answer: red bone marrow
Complexity: Easy
Simplified Functional Taxonomy: Recall

2. What is the formal name of a bone cell?

Answer: osteocyte
Complexity: Easy
Simplified Functional Taxonomy: Recall

3. List the types of bones.

Answer: long, short, flat, and irregular
Complexity: Easy
Simplified Functional Taxonomy: Recall

4. Why are flat bones classified as flat bones?

Answer: because their depth is short relative to their height and width
Complexity: Moderate
Simplified Functional Taxonomy: Application

5. What is the formal name for the shaft of a long bone?

Answer: diaphysis
Complexity: Easy
Simplified Functional Taxonomy: Recall

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6. List the categories of bone features.

Answer: projections, depressions, articulations, and passageways
Complexity: Easy
Simplified Functional Taxonomy: Recall

7. What type of bone feature is a condyle?

Answer: articulation
Complexity: Moderate
Simplified Functional Taxonomy: Application

8. What type of bone feature is an epicondyle?

Answer: projection
Complexity: Moderate
Simplified Functional Taxonomy: Application

9. What type of bone feature is a fossa?

Answer: depression
Complexity: Moderate
Simplified Functional Taxonomy: Application

10. What type of bone feature is a foramen?

Answer: passageway
Complexity: Moderate
Simplified Functional Taxonomy: Application

11. Define the word *joint*.

Answer: A joint is the intersection of two bones.

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Complexity: Easy
Simplified Functional Taxonomy: Recall

12. Is the functional or structural classification based on motion?

Answer: functional
Complexity: Moderate
Simplified Functional Taxonomy: Application

13. What is the distinct characteristic of synarthrosis joints?

Answer: non-movable
Complexity: Moderate
Simplified Functional Taxonomy: Application

14. What is the distinct characteristic of bony joints?

Answer: the bones connect by bone tissue
Complexity: Moderate
Simplified Functional Taxonomy: Application

15. Is articular cartilage or fibrocartilage denser tissue?

Answer: fibrocartilage
Complexity: Easy
Simplified Functional Taxonomy: Recall

16. List the classes of synovial joints.

Answer: ball and socket, hinge, pivot, saddle, condylar, and plane
Complexity: Easy
Simplified Functional Taxonomy: Recall

Multiple Choice

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1. Is blood formation one of the functions of the skeletal system?

[1] Yes
[2] No
[3] Maybe
[4] I don't know

Answer: 1
Complexity: Easy
Simplified Functional Taxonomy: Recall

2. Which is a bone cell?

[1] osseous cell
[2] osteocyte
[3] bone marrow
[4] osseous tissue

Answer: 2
Complexity: Easy
Simplified Functional Taxonomy: Recall

3. Which bone tissue is involved in blood formation?

[1] osteocyte
[2] yellow marrow
[3] red marrow
[4] periosteum

Answer: 3
Complexity: Easy
Simplified Functional Taxonomy: Recall

4. Which type of bone is the scapula?

[1] long
[2] irregular

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[3] short
[4] flat

Answer: 4
Complexity: Moderate
Simplified Functional Taxonomy: Application

5. Which type of bone is height, width, and depth relatively the same distance?

[1] long
[2] irregular
[3] short
[4] flat

Answer: 3
Complexity: Easy
Simplified Functional Taxonomy: Recall

6. Which type of bone develops within a tendon?

[1] sesamoid
[2] irregular
[3] sutural
[4] flat

Answer: 1
Complexity: Easy
Simplified Functional Taxonomy: Recall

7. Which is the shaft of a long bone?

[1] diaphysis
[2] epiphysis
[3] medullary cavity
[4] periosteum

Answer: 1
Complexity: Easy
Simplified Functional Taxonomy: Recall

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8. Which motion moves the neck in the frontal plane?

[1] neck extension
[2] neck flexion
[3] neck rotation
[4] neck lateral flexion

Answer: 4
Complexity: Easy
Simplified Functional Taxonomy: Recall/Application

9. Which bone feature is a convex “bump” from the regular surface?

[1] depression
[2] articulation
[3] projection
[4] passageway

Answer: 3
Complexity: Easy
Simplified Functional Taxonomy: Recall

10. Which bone feature is a concavity from the regular surface?

[1] depression
[2] articulation
[3] projection
[4] passageway

Answer: 1
Complexity: Easy
Simplified Functional Taxonomy: Recall

11. Which bone feature is part of a joint?

[1] depression
[2] articulation
[3] projection

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[4] passageway

Answer: 2
Complexity: Easy
Simplified Functional Taxonomy: Recall

12. Which bone feature is tunnel-like?

[1] depression
[2] articulation
[3] projection
[4] passageway

Answer: 4
Complexity: Easy
Simplified Functional Taxonomy: Recall

13. Which bone feature is a condyle?

[1] depression
[2] articulation
[3] projection
[4] passageway

Answer: 2
Complexity: Moderate
Simplified Functional Taxonomy: Application

14. Which bone feature is an epicondyle?

[1] depression
[2] articulation
[3] projection
[4] passageway

Answer: 3
Complexity: Moderate
Simplified Functional Taxonomy: Application

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15. Which bone feature is a foramen?

[1] depression
[2] articulation
[3] projection
[4] passageway

Answer: 4
Complexity: Moderate
Simplified Functional Taxonomy: Application

16. Which bone feature is a fossa?

[1] depression
[2] articulation
[3] projection
[4] passageway

Answer: 1
Complexity: Moderate
Simplified Functional Taxonomy: Application

17. The knee is a joint.

[1] true
[2] false

Answer: 2
Complexity: Moderate
Simplified Functional Taxonomy: Application

18. Which functional class of joints is non-movable?

[1] amphiarthroses
[2] diarthroses
[3] synovial
[4] synarthroses

Answer: 4

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Complexity: Easy
Simplified Functional Taxonomy: Recall

19. Which structural class of joints includes ligaments?

[1] cartilaginous
[2] bony
[3] synovial
[4] fibrous

Answer: 3
Complexity: Easy
Simplified Functional Taxonomy: Recall

20. Which class of synovial joints includes a convex end of a bone rotating around the long axis of itself?

[1] hinge
[2] pivot
[3] plane
[4] ball and socket

Answer: 2
Complexity: Easy
Simplified Functional Taxonomy: Recall

21. Which class of synovial joints has the flattest ends of the articulating bones?

[1] hinge
[2] pivot
[3] plane
[4] ball and socket

Answer: 3
Complexity: Moderate
Simplified Functional Taxonomy: Application

22. Which class of synovial joints is also known as mon-axial?

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[1] hinge
[2] condylar
[3] plane
[4] ball and socket

Answer: 1
Complexity: Easy
Simplified Functional Taxonomy: Recall

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Answers to Workbook Questions

Chapter Two - The Skeletal System

1. The tissues of a bone.
   - A. marrow
   - B. cartilage
   - C. vascular
   - D. nervous
   - E. osseous

2. Types of bones.
   - A. long
   - B. short
   - C. flat
   - D. irregular

3. Long bone anatomy.
   - A. epiphysis
   - B. diaphysis
   - C. articular cartilage
   - D. marrow cavity endosteum
   - E. periosteum

4. Structural categories of joints.
   - A. bony
   - B. cartilaginous
   - C. fibrous
   - D. synovial

5. Synovial joint anatomy.
   - A. synovial membrane
   - B. ligament
   - C. articular cartilage
   - D. joint cavity
   - E. fibrocartilage

6. Synovial joint classifications.
   - A. ball and socket
   - B. hinge
   - C. pivot
   - D. saddle
   - E. condylar
   - F. plane

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