

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

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.

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

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

[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

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

[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

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

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

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