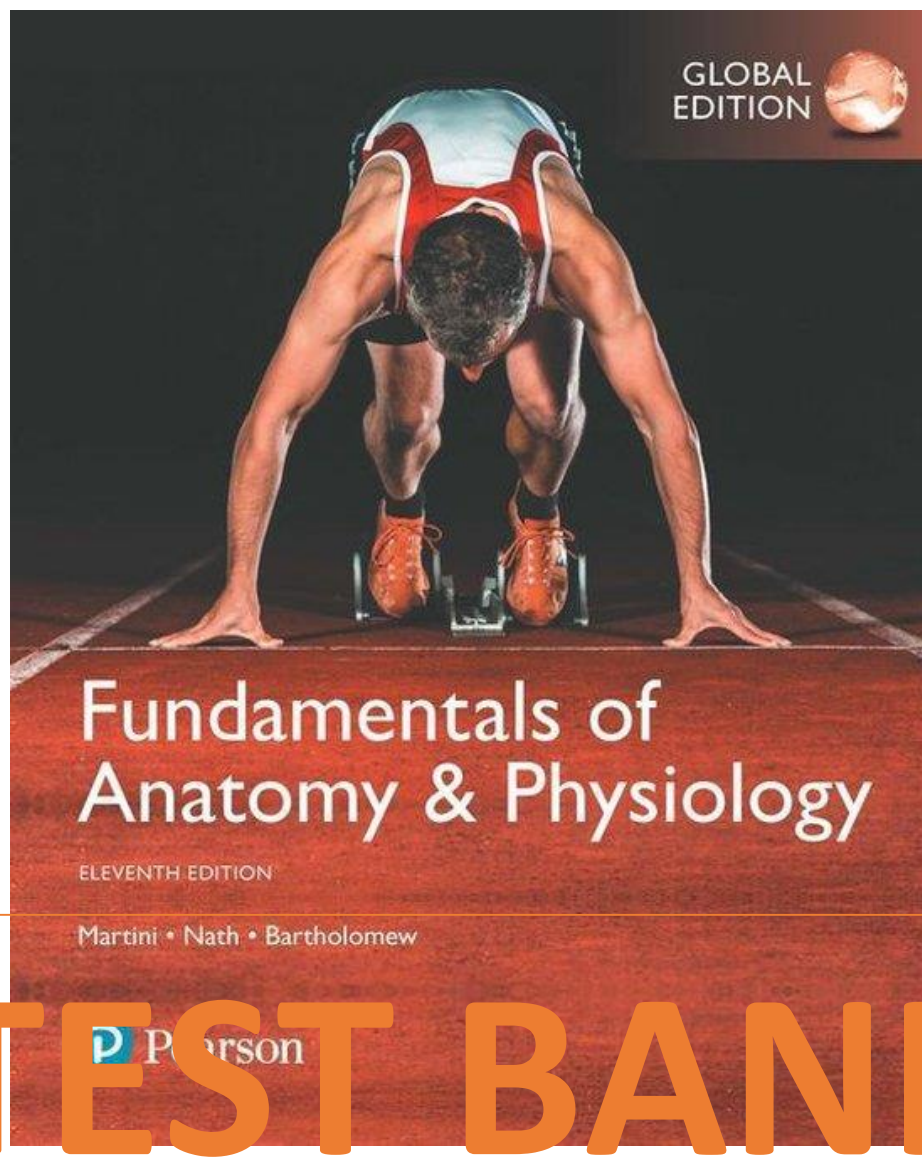


TEST BANK

Martini, Fundamentals of Anatomy & Physiology, Global Edition, 11th Edition



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Chapter 1 An Introduction to Anatomy and Physiology

Multiple Choice Questions

- 1) The analysis of the internal structure of individual cells is called
- A) cytology.
 - B) histology.
 - C) embryology.
 - D) physiology.
 - E) anatomy.

Answer: A

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 2) The study of the general form and superficial markings of an organism is called_____anatomy.
- A) gross
 - B) surface
 - C) systemic
 - D) regional
 - E) surgical

Answer: B

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 3) The study of the superficial and internal features in a specific area of the body is called_____anatomy.
- A) surface
 - B) regional
 - C) surgical
 - D) pathological
 - E) radiographic

Answer: B

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 4) Anatomical features that change during illness are studied in_____anatomy.
- A) gross
 - B) surface
 - C) microscopic
 - D) pathological
 - E) regional

Answer: D

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 5) The study of the liver is to gross anatomy as the study of the liver cell is to
- A) physiology.
 - B) regional anatomy.
 - C) cytology.
 - D) systemic anatomy.
 - E) radiographic anatomy.

Answer: C

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 6) The study of the first two months of development is termed
- A) histology.
 - B) embryology.
 - C) cytology.
 - D) pathology.
 - E) organology.

Answer: B

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 7) The study of the function of specific organ systems is called
- A) systemic physiology.
 - B) organ physiology.
 - C) cell physiology.
 - D) pathological physiology.
 - E) histology.

Answer: A

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 8) Cardiovascular physiology is an example of
- A) histophysiology.
 - B) organ physiology.
 - C) systemic physiology.
 - D) pathological physiology.
 - E) physiological chemistry.

Answer: C

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 9) Which of the following is arranged in correct order from the most COMPLEX to the SIMPLEST?
- A) cellular, tissue, molecular, system, organ, organism
 - B) molecular, cellular, tissue, organ, system, organism
 - C) tissue, cellular, molecular, organ, system, organism
 - D) organ, organism, molecular, cellular, tissue, system
 - E) organism, system, organ, tissue, cellular, molecular

Answer: E

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 10) Which organ system provides support, protection of soft tissue, mineral storage, and blood formation?
- A) integumentary
 - B) muscular
 - C) skeletal
 - D) nervous
 - E) endocrine

Answer: C

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

11) Which organ system transports nutrients, metabolic wastes, gases, and defense cells?

- A) cardiovascular
- B) digestive
- C) muscular
- D) respiratory
- E) urinary

Answer: A

Diff: 2

Skill: Level 1 Questions: Reviewing Facts and Terms

12) Which organ system includes the spleen and the tonsils?

- A) digestive
- B) endocrine
- C) nervous
- D) cardiovascular
- E) lymphatic

Answer: E

Diff: 2

Skill: Level 1 Questions: Reviewing Facts and Terms

13) The kidneys and ureters are organs of the _____ system.

- A) endocrine
- B) digestive
- C) respiratory
- D) urinary
- E) lymphatic

Answer: D

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

14) The pituitary gland and thyroid gland are organs of the _____ system.

- A) endocrine
- B) cardiovascular
- C) respiratory
- D) lymphatic
- E) digestive

Answer: A

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

15) Which organ system removes carbon dioxide from the bloodstream?

- A) cardiovascular
- B) lymphatic
- C) respiratory
- D) digestive
- E) endocrine

Answer: C

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

16) Lungs are to the respiratory system as the liver is to the _____ system.

- A) lymphatic
- B) urinary
- C) digestive
- D) cardiovascular
- E) both B and D

Answer: C

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

17) Skin, hair, and nails are associated with the _____ system.

- A) skeletal
- B) muscular
- C) integumentary
- D) endocrine
- E) both A and B

Answer: C

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

18) The maintenance of a constant internal environment in an organism is termed

- A) positive feedback.
- B) homeostasis.
- C) negative feedback.
- D) effector control.
- E) integration.

Answer: B

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

19) When body temperature rises, a center in the brain initiates physiological changes to decrease the body temperature. This is an example of

- A) negative feedback.
- B) positive feedback.
- C) nonhomeostatic regulation.
- D) diagnostic regulation.
- E) fever.

Answer: A

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

20) In general, the nervous system does each of the following, **except**

- A) helps to maintain homeostasis.
- B) responds rapidly to change.
- C) directs long-term responses to change.
- D) directs very specific responses.
- E) both B and D

Answer: C

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 21) Which one of the following is **not** a characteristic of the endocrine system?
- A) releases chemical messengers called hormones
 - B) produces a more rapid response than the nervous system
 - C) produces effects that last for days or longer
 - D) produces an effect that involves several organs or tissues at the same time
 - E) important homeostatic system

Answer: B

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 22) A person facing forward with hands at the sides and palms facing forward is in the
- A) supine position.
 - B) prone position.
 - C) anatomical position.
 - D) frontal position.
 - E) sagittal position.

Answer: C

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 23) An anatomical term that means the **same** as *ventral*:
- A) posterior
 - B) inferior
 - C) abdominal
 - D) anterior
 - E) superior

Answer: D

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 24) The heart is _____ to the lungs.
- A) lateral
 - B) medial
 - C) posterior
 - D) proximal
 - E) distal

Answer: B

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms

- 25) The wrist is _____ to the elbow.
- A) proximal
 - B) distal
 - C) lateral
 - D) medial
 - E) horizontal

Answer: B

Diff: 1

Skill: Level 1 Questions: Reviewing Facts and Terms