



TEXTBOOK TESTBANKS

Test Bank for Essentials of Anatomy and Physiology for Nursing Practice 3rd Cook

TEST BANK SAMPLE PREVIEW

PUBLISHER

Sage

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2025

RESOURCE TYPE

Test Bank

ISBN

9781529626452

*Test Bank for Essentials of Anatomy
and Physiology for Nursing Practice 3rd
Edition by Cook, Shepherd*

ISBN: 9781529626452

Essentials of Anatomy and Physiology for Nursing Practice (3rd)

ISBN 9781529626452 | Chapter 1

Total Questions: 10

Multiple Choice (6)

Q1. [Multiple Choice]

Which term is used to describe the maintenance of a constant internal environment in the cell or body?

- a) **Homeostasis ✓ correct**
- b) Equilibrium
- c) pH balance
- d) Oxidative phosphorylation

Q2. [Multiple Choice]

Which of the following lists the correct sequence of levels forming the structural hierarchy of the body?

- a) Organ, organ system, cellular, tissue, organism
- b) Chemical, cellular, tissue, organism, organ, organ system
- c) **Chemical, cellular, tissue, organ, organ system, organism ✓ correct**
- d) Organism, organ system, organ, tissue, cellular, chemical

Q3. [Multiple Choice]

Consider a feedback loop where the stimulus is an increase in blood sugar. If the feedback loop is a negative feedback loop, what would be the result of such a stimulus?

- a) Increase in blood sugar levels
- b) **Decrease in blood sugar levels ✓ correct**
- c) Initial increase in blood sugar levels, followed by a decrease
- d) Initial decrease in blood sugar levels, followed by an increase

Q4. [Multiple Choice]

What is the result of the initial stimulus in a positive feedback loop?

- a) The stimulus is suppressed
- b) The stimulus is switched off
- c) There is no effect on the stimulus
- d) **The stimulus is amplified or exaggerated ✓ correct**

Q5. [Multiple Choice]

Which of the following lists the correct sequence of messaging between the components of a control system?

- a) Control centre, receptors, effectors
- b) **Receptors, control centre, effectors ✓ correct**
- c) Receptors, effectors, control system
- d) Effectors, control system, receptors

Q6. [Multiple Choice]

Which of the following apply to the control centre?

- a) It sets the limits for a specific variable
- b) It integrates the information received with other information
- c) It sends instructions to change the action of the effector
- d) a. and c. above only
- e) a., b. and c. above ✓ correct

True/False (1)

Q7. [True/False]

In systems controlled by negative feedback, the effector response returns the level of the stimulus towards its original level

- a) true ✓ correct
- b) false

Correct answer: True

Fill in the Blank (1)

Q8. [Fill in the Blank]

Insert the missing term. Receptors and _____ communicate with the control centre to form a feedback system that regulates various internal conditions

Matching (2)

Q9. [Matching]

Match the terms from the following groups

- a) (no text)
- b) (no text)
- c) (no text)

Q10. [Matching]

Match the following descriptions with the correct body system

- a) (no text)
- b) (no text)
- c) (no text)
- d) (no text)
- e) (no text)