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

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

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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

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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)*

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