

MULTIPLE CHOICE QUESTIONS

A.1.2. Physiological Concepts

1. In a typical functioning feedback loop, a variable has been modified by a disturbance from outside. What will happen in the case of a **negative** feedback?
 - a. the variable will further increase
 - b. the variable will further decrease
 - c. the variable will return to its original value
 - d. the variable will increase to its original value
 - e. the variable will not change
2. In a typical functioning feedback loop, a variable has been modified by a disturbance from outside. What will happen in the case of a **positive** feedback?
 - a. the variable will further increase
 - b. the variable will decrease
 - c. the variable will return to its original value
 - d. the variable will increase to its original value
 - e. the variable will not change
3. Which of the following systems are based on a negative feedback system?
 - a. Body temperature control in frogs
 - b. Cruise control in a car
 - c. Clotting by blood platelets
 - d. Initiation of an action potential
 - e. Accruing interest in a bank account
4. Which of the following systems are based on a positive feedback system?
 - a. Body temperature control in frogs
 - b. Cruise control in a car
 - c. Clotting by blood platelets
 - d. Temperature control in a homeotherm organism
 - e. Sugar concentration in the blood circulation

Answers:

1. c.
2. a.
3. b.
4. c.