Section Quiz 13.1: ECOLOGISTS STUDY RELATIONSHIPS

Choose the letter of the best answer.

_____ 1. Which phrase best describes the focus of ecology?
      a. individual organisms
      b. individual cells
      c. interactions among organisms
      d. interactions among cells

_____ 2. What is the term for a group of different species in a given area?
      a. population
      b. ecosystem
      c. community
      d. biome

_____ 3. Which level of organization in ecology is a major regional or global community of organisms?
      a. an ecosystem
      b. population
      c. community
      d. biome

_____ 4. Studying a virtual ecosystem on a computer is an example of
      a. experimentation.
      b. modeling.
      c. surveying.
      d. observation.

_____ 5. Which of the following is the best example of an observation study?
      a. a quadrat sample
      b. a laboratory experiment
      c. a computer program
      d. a population model

SECTION QUIZ 13.2 BIOTIC AND ABIOTIC FACTORS

Choose the letter of the best answer.

_____ 1. Which of the following is an example of a biotic factor in an ecosystem?
   a. sunlight
   b. stream
   c. tree
   d. rock

_____ 2. Wind is considered to be an abiotic factor because it
   a. is not related to biodiversity.
   b. is a nonliving thing.
   c. is in equilibrium.
   d. is not in any ecosystem.

_____ 3. A rain forest has a high level of biodiversity because it has
   a. many abiotic factors.
   b. some endangered species.
   c. few connections between living things.
   d. a wide variety of living things.

_____ 4. A keystone species is a species that
   a. goes unnoticed if its numbers decrease.
   b. alters an area by building bridges and dams.
   c. leads to a decrease in an area's biodiversity.
   d. has an unusually large impact on its ecosystem.

_____ 5. Beavers are sometimes trapped for their fur. What could be one effect of increased trapping of beavers in an area?
   a. Biodiversity among the area's fish would increase.
   b. The number of herons and kingfishers would decrease.
   c. There would be more nesting areas for waterfowl.
   d. More trees would be cut down.