



# Interactions of Living things with their Environment

**Write the letter of the correct answer inside the box.**

\_\_\_\_\_1. The caterpillar is an example of a/an:

- a. Carnivore   b. Herbivore   c. Omnivore   d. Producer

\_\_\_\_\_2. The omnivores in the food web are the:

- a. Field mouse and aphid  
b. Garden snake and vulture  
c. Human and field mouse  
d. Vulture and ladybird

\_\_\_\_\_3. Which of the following pairs of animals has a "predator-prey" relationship?

- a. Field mouse and garden snake  
b. Garden snake and vulture  
c. Ladybird and field mouse  
d. Vulture and lady bird

\_\_\_\_\_4. What could be a possible result of a sudden decrease in the population of garden snakes?

- a. The populations of vultures will increase
- b. The populations of vultures will decrease
- c. The populations of chickens will decrease
- d. The populations of field mice will decrease

\_\_\_\_\_5. If the organisms are arranged in a food pyramid, the topmost level will be occupied by:

- a. Aphids      b. Chicken      c. Ladybird      d. Vultures

\_\_\_\_\_6. A food chain derived from this food web could be:

- a. ladybird ----- caterpillar ----- chicken ----- snake ----- vulture
- b. corn plant ----- caterpillar ----- chicken ----- aphid ----- vulture
- c. field mouse ----- lady bird ----- snake ----- chicken ----- human
- d. corn plant ----- field mouse ----- chicken ----- snake ----- vulture

\_\_\_\_\_7. Which of the following is an abiotic factor in an ecosystem?

- a. animals      b. microorganisms      c. plants      d. sunlight

\_\_\_\_\_8. The greatest amount of energy in an ecosystem is available to :

- a. decomposers
- b. primary consumers
- c. producers
- d. secondary consumers

\_\_\_\_\_9. Competition, predation, and symbiosis are all types of :

- a. biotic relationship
- b. commensalism
- c. mutualism

d. parasitic relationship

\_\_\_\_\_10. Which of the following will result from drastic change in the biotic and abiotic factors of habitat?

- a. New habitat will exist
- b. Weather will be affected
- c. Food supply will increase
- d. Population size of living things will increase or decrease

Science 7

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