

# 4 Ecosystems and Communities Chapter Test A

## Multiple Choice

Write the letter that best answers the question or completes the statement on the line provided.

- \_\_\_\_\_ 1. How does an area's weather differ from the area's climate?
- Weather involves temperature and precipitation and climate involves only temperature.
  - An area's weather depends on where it is located on Earth and the area's climate does not.
  - An area's weather does not change very much and an area's climate changes many times.
  - Weather is the area's day-to-day conditions and climate is the area's average conditions.
- \_\_\_\_\_ 2. The tendency for warm air to rise and cool air to sink results in
- global wind patterns.
  - ocean upwelling.
  - the seasons.
  - regional precipitation.
- \_\_\_\_\_ 3. An organism's niche is
- the range of physical and biological conditions in which an organism lives and the way it obtains what it needs to survive and reproduce.
  - all the physical and biological factors in the organism's environment.
  - the range of temperatures that the organism needs to survive.
  - a full description of the place an organism lives.
- \_\_\_\_\_ 4. No two species can occupy the same niche in the same habitat at the same time
- because of the interactions that shape the ecosystem.
  - unless the species require different abiotic factors.
  - because of the competitive exclusion principle.
  - unless the species require different biotic factors.
- \_\_\_\_\_ 5. What would likely happen if the population of the bird species shown in the ecosystem in Figure 4-1 were to suddenly decrease?
- The fish population would decrease.
  - The fish population would increase.
  - The fish population would remain the same.
  - Fish would leave the ecosystem.



Figure 4-1

- \_\_\_\_\_ 6. A wolf pack hunts, kills, and feeds on a moose. In this interaction, the wolves are
- hosts.
  - prey.
  - mutualists.
  - predators.
- \_\_\_\_\_ 7. A symbiotic relationship in which one organism is harmed and another benefits is
- mutualism.
  - parasitism.
  - commensalism.
  - predation.

# Chapter 4 Ecosystems Communities Work Answer Key

**N Colangelo**



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