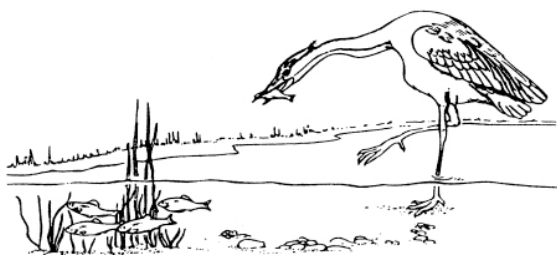


SAMPLE QUIZ QUESTIONS

1. Which of the following is **not** a need that must be met by an organism's habitat?
- A food
 - B shelter
 - C water
 - D reproduction

Directions: Use the diagram below to answer question 2.



2. Identify a biotic factor in the diagram.
- A water
 - B fish
 - C sunlight
 - D rocks
3. Fungi, bacteria, and worms are all examples of
- A plants
 - B animals
 - C biotic factors
 - D abiotic factors
4. Which of these is an example of a population?
- A raccoons in a neighborhood
 - B ticks and fleas on a dog
 - C shells in a seashell collection
 - D algae, snails, and fish in an aquarium
5. A population is made up of organisms that
- A are members of many different species.
 - B are all members of the same species.
 - C represent at least three links in a food chain.

Directions: Use the graph below to answer #6.



6. The graph shows the changes in two populations of herbivores (plant eaters) in a grassy field. Which is a possible reason for these changes?
- A All of the plant populations in this habitat decreased.
 - B Population B competed more successfully for food than population A
 - C Population A produced more offspring than population B
 - D Population A consumed members of population B
7. Which of the following might restrict (or limit) the growth of a population?
- A mild winters
 - B increased predation
 - C increased numbers of prey
 - D plentiful amount of food
8. All of the following are examples of limiting factors **except**
- A lack of food
 - B lack of space
 - C soil
 - D weather conditions
9. Which of the following sequences correctly shows how water moves in the water cycle?
- A evaporation, precipitation, condensation
 - B condensation, precipitation, nitrogen fixation
 - C precipitation, evaporation, condensation
 - D condensation, evaporation, precipitation

10. During which part of the water cycle does water return to Earth?

- A evaporation
- B condensation
- C precipitation
- D runoff

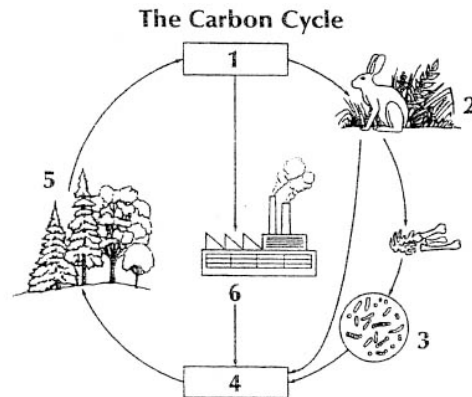
11. Which of these organisms plays a major role in **both** the carbon cycle and the water cycle?

- A amoebas
- B mushrooms
- C trees
- D bacteria

12. The nitrogen cycle in an ecosystem would stop without

- A lightning.
- B carnivores.
- C fertilizers.
- D decomposers.

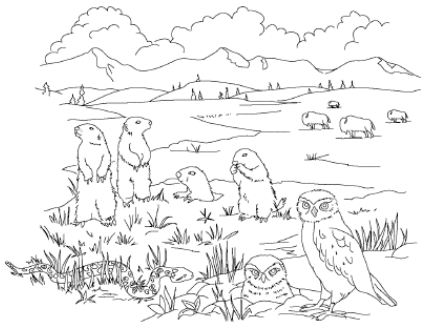
Directions: Use the diagram below to answer question 13.



13. Which organisms in the carbon cycle are also part of the water cycle?

- A only 3
- B only 5
- C only 2 and 5
- D 2, 3, and 5

Use the figures below to answer the following questions in the spaces provided.



14. What is the smallest level of ecological organization in an ecosystem? Give one example from the diagram.

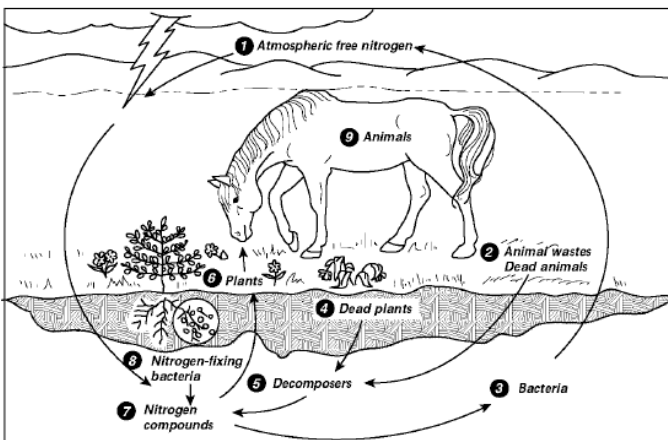
Example: _____

15. List two biotic resources and two abiotic resources in the prairie ecosystem.

Biotic:

Abiotic:

The Nitrogen Cycle



16. On what part of a plant do the organisms represented by number 8 (nitrogen fixing bacteria) live?

17. Which number represents a group of organisms that break down the wastes and remains of other organisms? _____

18. Explain the role of an animal such as the horse in the nitrogen cycle.

