

Chapter 15 Assessment

Vocabulary

Select the correct term to complete the sentences.

producer	photosynthesis	food web
competition	consumer	energy pyramid
decomposer	predator	carnivore
omnivore	herbivore	symbiosis
ecosystem	prey	pollutant
food chain		

Section 15.1

1. A _____ is a living thing that can take the Sun's energy and store it as food.
2. A consumer that eats only animals is called a _____.
3. A(n) _____ is made up of a group of living things and their physical surroundings.
4. A consumer that eats both plants and animals is called a(n) _____.
5. A _____ is a living thing that consumes wastes and dead things to get energy.
6. _____ happens when a plant uses the Sun's energy to turn water and carbon dioxide into useful molecules such as sugars and starches.
7. A _____ must feed on other living things to get food and energy.
8. A _____ is a consumer that eats only plants.

Section 15.2

9. Another way to represent a food chain is through a(n) _____, which shows how energy is lost as you move through the levels.

10. An ecosystem often has several food chains that overlap, which is called a _____.
11. A(n) _____ shows how each member of an ecosystem community gets its food.

Section 15.3

12. A hawk captures and eats a mouse. In this case, the hawk would be called a _____ and the mouse is its _____.
13. _____ is an interaction where two species live together for a long time and at least one of them benefits.
14. _____ happens when members of an ecosystem depend on the same limited supply of food.
15. Sulfur dioxide is a chemical that is a good example of a _____, because when it is present in the air in large amounts, it can make breathing difficult.

Concepts

Section 15.1

1. Arrange this list of organization levels so it goes from the largest category to the smallest category.
population, community, biosphere, ecosystem, individual organisms
2. Which of the following would be considered an ecosystem? (You may choose more than one.)
 - a. tropical rainforest
 - b. school gymnasium
 - c. desert
 - d. Sun
 - e. rotting log and surroundings
 - f. bean plant
 - g. rock