

Flow of Matter & Energy Through Ecosystems Test

Part I - Multiple Choice: Choose the best answer for each question.

1. What is the original source of energy for most ecosystems?
A. Water
B. Soil
C. The Sun
D. Wind
2. Organisms that make their own food are called:
A. Consumers
B. Producers
C. Decomposers
D. Predators
3. Which organism is a primary consumer?
A. Hawk
B. Grass
C. Rabbit
D. Mushroom
4. Energy moves through an ecosystem in the form of:
A. Food chains
B. Clouds
C. Rocks
D. Minerals
5. Decomposers help ecosystems by:
A. Producing sunlight
B. Breaking down dead organisms
C. Hunting prey
D. Pollinating flowers
6. Which level of a food chain contains plants?
A. Producer
B. Secondary consumer
C. Tertiary consumer
D. Decomposer
7. What happens to most energy as it moves from one trophic level to another?
A. It increases
B. It disappears completely
C. It is lost as heat
D. It turns into water
8. An animal that eats both plants and animals is called a(n):
A. Herbivore
B. Carnivore
C. Omnivore
D. Producer
9. Which of the following is an example of a decomposer?
A. Mushroom
B. Grasshopper
C. Snake
D. Eagle
10. A food web is made of:
A. One food chain
B. Many connected food chains
C. Only producers
D. Water cycles

Part II - Fill in the Blank: Use the word bank below.

Word Bank

Carnivore consumer photosynthesis energy food web
decomposer producer heat herbivore nutrients

11. Plants use sunlight to make food through _____.
12. A lion is an example of a _____.
13. Matter is recycled in ecosystems through _____.
14. A rabbit that eats plants is a _____.
15. The movement of feeding relationships is shown in a _____.
16. Organisms that break down dead matter are called _____.

17. Most energy is lost as _____ between trophic levels.
 18. Plants are known as _____ because they make their own food.
 19. Animals that eat other organisms are called _____.
 20. Important materials recycled in ecosystems are called _____.
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