

Quiz: How Organisms Obtain Energy

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

1. What is the main source of energy for most life on Earth?
 - a. Water
 - b. Soil
 - c. The Sun
 - d. Air
2. Which organisms make their own food?
 - a. Consumers
 - b. Producers
 - c. Decomposers
 - d. Carnivores
3. What process do plants use to make food?
 - a. Respiration
 - b. Digestion
 - c. Photosynthesis
 - d. Decomposition
4. Which of the following is a producer?
 - a. Rabbit
 - b. Mushroom
 - c. Grass
 - d. Hawk
5. An organism that gets energy by eating other organisms is called a:
 - a. Producer
 - b. Consumer
 - c. Decomposer
 - d. Autotroph
6. What type of consumer eats only plants?
 - a. Carnivore
 - b. Omnivore
 - c. Herbivore
 - d. Decomposer
7. What type of consumer eats only animals?
 - a. Herbivore
 - b. Carnivore
 - c. Omnivore
 - d. Producer
8. Which organisms break down dead plants and animals?
 - a. Producers
 - b. Herbivores
 - c. Decomposers
 - d. Carnivores
9. A bear that eats both plants and animals is a:
 - a. Herbivore
 - b. Carnivore
 - c. Omnivore
 - d. Producer
10. Energy moves through an ecosystem from:
 - a. Consumers to the Sun
 - b. The Sun to producers and then consumers
 - c. Decomposers to producers
 - d. Animals to plants

Part B: True or False: Write **T** or **F**

11. ____ Producers obtain energy by making their own food.
12. ____ All consumers eat only plants.
13. ____ Photosynthesis requires sunlight.
14. ____ Decomposers help recycle nutrients in ecosystems.
15. ____ Animals can produce their own food through photosynthesis.
16. ____ Omnivores eat both plants and animals.
17. ____ Energy originates from the Sun in most ecosystems.
18. ____ Mushrooms are producers.
19. ____ Herbivores are consumers.
20. ____ Food chains show how energy moves through ecosystems.