

Ecosystems: Basic Concepts

Environmental Science · Practice Test · 10 Questions

1. What is an ecosystem?

- A) A community of living organisms and their physical environment.
- B) Only the living organisms in an area.
- C) Only the non-living things in an area.
- D) A single type of plant or animal.

2. Which of the following is a biotic factor in an ecosystem?

- A) Sunlight
- B) Water
- C) Plants
- D) Rocks

3. What is an abiotic factor in an ecosystem?

- A) Animals
- B) Bacteria
- C) Soil
- D) Fungi

4. What is a producer in an ecosystem?

- A) An organism that eats other organisms.
- B) An organism that makes its own food.
- C) An organism that decomposes dead organisms.
- D) An organism that hunts prey.

5. What is a consumer in an ecosystem?

- A) An organism that produces its own food.
- B) An organism that eats other organisms.
- C) An organism that breaks down dead material.
- D) An organism that provides energy to the sun.

6. What role do decomposers play in an ecosystem?

- A) Producing energy from sunlight.
- B) Eating living plants.
- C) Breaking down dead organisms and waste.
- D) Hunting other animals.

7. What is a food chain?

- A) A series of organisms where each eats the one below it.
- B) A group of animals that live together.
- C) A type of plant.
- D) A way to recycle waste.

8. Which of the following represents energy flow in an ecosystem?

- A) Decomposers -> Producers -> Consumers
- B) Producers -> Consumers -> Decomposers
- C) Consumers -> Producers -> Decomposers
- D) Producers -> Decomposers -> Consumers

9. What is a habitat?

- A) The role an organism plays in its environment.
- B) The place where an organism lives.
- C) The number of organisms in an area.
- D) The amount of food available.

10. What is a population?

- A) All the living things in an area.
- B) All the non-living things in an area.
- C) A group of the same type of organism living in the same area.
- D) A community of different organisms.