

Ecosystems: Basic Concepts

Environmental Science · Answer Key · 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.