

# Ecosystem Basics

Environmental Science · Answer Key · 9 Questions

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## 1. What is an ecosystem?

- A) A community of interacting organisms and their physical environment.**
- B) A group of animals living together.
- C) A collection of plants in a garden.
- D) A single organism.

## 2. Which of these is a biotic factor in an ecosystem?

- A) Sunlight
- B) Water
- C) A tree**
- D) Soil

## 3. Which of these is an abiotic factor in an ecosystem?

- A) A fish
- B) A rock**
- C) A bird
- D) A flower

## 4. What is the role of producers in an ecosystem?

- A) To consume other organisms
- B) To decompose dead organisms
- C) To create their own food through photosynthesis**
- D) To hunt for food

## 5. What is the role of consumers in an ecosystem?

- A) To produce their own food
- B) To eat other organisms for energy**
- C) To break down dead matter
- D) To provide shelter for other organisms

## 6. What is the role of decomposers in an ecosystem?

- A) To eat living organisms
- B) To break down dead organisms and waste**
- C) To produce oxygen
- D) To provide energy

**7. What is a food chain?**

- A) A series of organisms that eat each other**
- B) A group of animals that hunt together
- C) A cycle of water in an ecosystem
- D) A process of photosynthesis

**8. What is a food web?**

- A) A single line of organisms eating each other
- B) Interconnected food chains**
- C) A type of spider web
- D) A system for distributing food

**9. What is the source of energy for most ecosystems?**

- A) Coal
- B) Oil
- C) The Sun**
- D) Wind