

1. What is the primary difference between an ecosystem and a biome?
 - A. Ecosystems are composed of living organisms, while biomes are not.
 - B. Biomes are composed of living organisms, while ecosystems are not.
 - C. Ecosystems are defined by their physical characteristics, while biomes are defined by the organisms that live there.
 - D. Biomes are defined by their physical characteristics, while ecosystems are defined by the organisms that live there.
2. Which of the following is NOT a component of an ecosystem?
 - A. Producers
 - B. Consumers
 - C. Decomposers
 - D. The Sun
3. Which of the following best describes the role of decomposers in an ecosystem?
 - A. Decomposers break down dead organisms and return nutrients to the soil.
 - B. Decomposers break down dead organisms and return nutrients to the atmosphere.
 - C. Decomposers break down dead organisms and return nutrients to the producers.
 - D. Decomposers break down dead organisms and return nutrients to the consumers.
4. Which of the following is NOT a way in which energy flows through an ecosystem?
 - A. Producers convert sunlight into chemical energy.
 - B. Consumers eat producers and convert their chemical energy into heat energy.
 - C. Decomposers break down dead organisms and release their chemical energy into the atmosphere.
 - D. The Sun provides energy to the producers in the form of heat.
5. What is the primary difference between a food web and a food chain?
 - A. A food web is a diagram that shows how energy flows through an ecosystem, while a food chain is a diagram that shows how matter cycles through an ecosystem.
 - B. A food chain is a diagram that shows how energy flows through an ecosystem, while a food web is a diagram that shows how matter cycles through an ecosystem.
 - C. A food web is a diagram that shows the predator-prey relationships between organisms in an ecosystem, while a food chain is a diagram that shows the feeding relationships between organisms in an ecosystem.
 - D. A food chain is a diagram that shows the predator-prey relationships between organisms in an ecosystem, while a food web is a diagram that shows the feeding relationships between organisms in an ecosystem.
6. Which of the following is NOT a way in which an ecosystem can be affected by human activity?
 - A. Pollution
 - B. Deforestation
 - C. Overgrazing
 - D. Natural disasters
7. Which of the following is NOT a way in which humans can conserve ecosystems?
 - A. Establishing national parks
 - B. Restricting hunting
 - C. Using renewable resources
 - D. Using pesticides

Answer Key: 1. C 2. D 3. A 4. D 5. C 6. D 7. D