

Name:

Date:

Class:

Lesson 14.2: Ecosystems

Know and Understand

Answer the following questions using the information provided in this lesson.

1. What is a group of living organisms that interact with one another in an environment called? (14.2.1)
 - A. Ecosystem
 - B. Habitat
 - C. Community
 - D. Fauna

Answer:

2. What does flora refer to in an ecosystem? (14.2.1)
 - A. Food
 - B. Fish
 - C. Animals
 - D. Plants

Answer:

3. What is animal life in an ecosystem called? (14.2.1)
 - A. Food
 - B. Flora
 - C. Fauna
 - D. All are correct.

Answer:

4. What is the difference between biotic and abiotic factors in the ecosystem? (14.2.1)
 - A. Biotic factors are living, whereas abiotic factors are nonliving.

- B. Biotic factors are nonliving, whereas abiotic factors are living.
- C. Biotic factors are flora, and abiotic factors are fauna.
- D. Biotic factors are fauna, and abiotic factors are flora.

Answer:

5. What is one example of an interdependent community in an ecosystem? (14.2.1)
- A. Water cycle
 - B. Food chain
 - C. Flora and fauna
 - D. Solar radiation

Answer:

6. Which of the following are included in aquatic ecosystems? (14.2.2)
- A. Wetlands
 - B. Forests
 - C. Deserts
 - D. Mountains

Answer:

7. Which of the following is a characteristic of all aquatic ecosystems? (14.2.2)
- A. They contain flowing water or a still body of water.
 - B. They do not contain plants.
 - C. They never freeze.
 - D. They are salty.

Answer:

8. What are land-based ecosystems called? (14.2.2)
- A. Aquatic
 - B. Marine
 - C. Terrestrial
 - D. Territorial

Answer:

9. Which of the following ecosystems is not prevalent in the United States? (14.2.2)

- A. Coral reefs
- B. Tropical deciduous forests
- C. Tropical evergreen forests
- D. All are correct.

Answer:

10. *True or False?* Marine ecosystems are the second-largest ecosystems on the planet. (14.2.2)

Answer:

11. Which chemical is found in high concentrations in saline water? (14.2.2)

- A. Salt
- B. Dissolved oxygen
- C. Calcium
- D. Chlorine

Answer:

12. Brackish water found in estuaries has higher salt concentrations than _____, but lower salt concentrations than _____. (14.2.2)

- A. freshwater; seawater
- B. seawater; freshwater
- C. well water; city water
- D. city water; well water

Answer:

13. *True or False?* Salt marshes prevent tidal erosion by anchoring marshy soil in place. (14.2.2)

Answer:

14. Why is the dissolved oxygen in freshwater ecosystems important for aquatic life? (14.2.2)

- A. Dissolved oxygen lowers the turbidity of the stream.
- B. Dissolved oxygen is created by ripples in turbulent water.
- C. Many aquatic organisms cannot obtain the oxygen they need to breathe from water.
- D. All are correct.

Answer:

15. What are three biotic factors that characterize a forest ecosystem? (14.2.2)

- A. Trees, mammals, and shrubs.
- B. Trees, mammals, and rocks.
- C. Fish, mammals, and grasses.
- D. Deciduous trees, coniferous trees, soil.

Answer:

16. What is the name for ecosystems where there is sufficient rainfall to support trees and where summers and winters are clearly defined by differences in temperatures? (14.2.2)

- A. Grasslands
- B. Deserts
- C. Temperate deciduous forests
- D. Tropical coniferous forests

Answer:

17. Which of the following ecosystems is prevalent in the central area of the United States? (14.2.2)

- A. Marine
- B. Desert
- C. Forest
- D. Grassland

Answer:

18. Which of the following is a characteristic of all terrestrial ecosystems? (14.2.2)

- A. They support only animals.
- B. They have little rainfall.
- C. They are found on the land.
- D. They never freeze.

Answer:

19. Which ecosystems in the United States have been most affected by agriculture and food production? (14.2.3)

- A. Deserts and marine ecosystems
- B. Forest and desert ecosystems
- C. Grassland and forest ecosystems
- D. Grasslands and aquatic ecosystems

Answer:

20. How does the use of riparian zones help the environment? (14.2.3)

- A. They slow runoff from agricultural cropland so water can be absorbed into the ground.
- B. They slow runoff from agricultural cropland so fertilizers can be used by the grass/trees for nourishment.
- C. Their use prevents excess runoff from flowing into rivers and streams.
- D. All are correct.

Answer: