

Name:

Class:

Date:

Lesson 15.4: Water Quality

Lesson Review

Carefully study the lesson and then answer the following questions.

1. How much of the freshwater consumption by humans is estimated to be used for agricultural crop irrigation? (15.4.0)
 - A. Up to 25%
 - B. Up to 40%
 - C. Up to 65%
 - D. Up to 70%

Answer:

2. A dairy cow drinks _____ of water each day. (15.4.1)
 - A. 15–30 gallons
 - B. 35–50 gallons
 - C. 55–70 gallons
 - D. more than 70 gallons

Answer:

3. *True or False?* Warmer water carries less dissolved oxygen than cooler water. (15.4.2)

Answer:

4. *True or False?* On warm summer days, the temperature on the pavement can reach more than 140°F (60°C). (15.4.2)

Answer:

5. *True or False?* Healthy water contains high levels of dissolved oxygen. (15.4.2)

Answer:

6. List three ways in which the level of dissolved oxygen in water may be increased. (15.4.2)

Answer:

Match the term to its definition.

- A. Biological availability
 - B. Solubility
 - C. Total suspended solids
 - D. Turbidity
7. Measure of light penetration and scatter in the water (15.4.2)

Answer:

8. Weight of suspended organic matter and minerals in the water (15.4.2)

Answer:

9. The amount of a substance that can be used for aquatic life (15.4.2)

Answer:

10. The amount of a substance that can be dissolved in water (15.4.2)

Answer:

11. *True or False?* Acid rain raises water pH. (15.4.2)

Answer:

12. *True or False?* Excess algae produced from fertilizer runoff can decrease dissolved oxygen. (15.4.2)

Answer:

13. *True or False?* Ultraviolet light from the sun can help kill fecal coliform bacteria. (15.4.2)

Answer:

14. *True or False?* A large number of macroinvertebrates in a stream is typically an indicator of poor stream health. (15.4.2)

Answer:

Match the type of water pollution to its definition.

A. Chemical pollution

B. Microbial pollution

C. Sediment pollution

D. Thermal pollution

15. An example would be fecal coliform bacteria in the water. (15.4.3)

Answer:

16. Substances that are not naturally occurring entering the water. (15.4.3)

Answer:

17. Elevates the temperature of the water. (15.4.3)

Answer:

18. Suspended soil particles from fields in water. (15.4.2)

Answer:

19. Explain the difference between *point* and *nonpoint* pollution sources. (15.4.3)

Answer:

Critical Thinking

1. Some groups claim that agriculture is the largest source of nonpoint pollution in the United States. What are your thoughts on this statement? (15.4.3)

Answer: