

Name:

Class:

Date:

Lesson 15.5: Conservation Practices in Agriculture

Lesson Review

Carefully study the lesson and then answer the following questions.

1. What is the biggest cause of soil erosion? (15.5.1)

- A. Sunlight
- B. Water
- C. Machinery
- D. Wind

Answer:

2. *True or False?* A field is most vulnerable to erosion when it is planted and growing. (15.5.1)

Answer:

3. *True or False?* Crop residue can slow the water flow. (15.5.1)

Answer:

4. *True or False?* Erosion is less of an issue in sloped fields than in flat fields. (15.5.1)

Answer:

5. List three crops that are typically used as cover crops. (15.5.1)

Answer:

Match the term to its definition.

- A. Contour tillage
- B. Grassed waterway
- C. No-till program

- D. Reduced tillage program
- E. Terrace
- F. Water and sediment control basin (WASCoB)
- G. Windbreak
- 6. Relatively low earthen embankment built across a watercourse (15.5.1)

Answer:

- 7. Soil-formed structure in the field that breaks a steep slope into a series of steps (15.5.1)

Answer:

- 8. Planting directly into last year's crop residue (15.5.1)

Answer:

- 9. Areas planted to channel water down hillsides (15.5.1)

Answer:

- 10. Some of the previous crop residue is left in the soil when planting (15.5.1)

Answer:

- 11. Row of trees planted on the western edge of a field to slow wind (15.5.1)

Answer:

- 12. When farmers till and plant in lines that are perpendicular to the field's slope (15.5.1)

Answer:

- 13. List three reasons agriculturists attempt to control water pollution. (15.5.2)

Answer:

- 14. What is the difference between a buffer strip and a riparian zone? (15.5.2)

Answer:

15. *True or False?* Raising animals in a confined animal feeding operation decreases concerns about livestock waste contaminating water. (15.5.2)

Answer:

16. *True or False?* Farmers are required to keep strict records of how livestock waste is managed. (15.5.2)

Answer:

17. *True or False?* Farmers can decrease water pollution by properly scheduling irrigation. (15.5.3)

Answer:

18. *True or False?* All irrigation systems are essentially the same in price and efficiency. (15.5.3)

Answer:

Match the term to its definition.

A. Center-pivot irrigation

B. Drip irrigation

C. Furrow irrigation

D. Micro sprinkler system

E. Wheel-line irrigation

19. Uses small sprinkler devices to disperse water over a larger surface area than drip irrigation systems (15.5.3)

Answer:

20. Watering systems that drip water slowly to the roots of the plant (15.5.3)

Answer:

21. Flooding the field with water, allowing it to filter into the soil as it flows across the field (15.5.3)

Answer:

22. A tall sprinkler that moves in a circle across the field (15.5.3)

Answer:

23. An irrigation pipe that runs through the center of a series of wheels (15.5.3)

Answer:

Critical Thinking

1. Some groups feel as though all farmers should have to pay to repair damage from nonpoint pollution from sediment and chemical pollution. What is your point of view? (15.5.4)

Answer: