

Name:

Class:

Date:

## **Lesson 1.3 Future of Agriculture, Food Systems, and Natural Resources Management**

### **Lesson Review**

*Carefully study the lesson and then answer the following questions.*

1. List the three main factors that have driven change in the agricultural industry. (1.3.1)

Answer:

2. What portion of the world's population do experts believe will live in urban areas in 2050? (1.3.1)

- A. About 10%
- B. About 25%
- C. About 50%
- D. About 75%

Answer:

3. What does the decrease in arable land mean for agriculture as population continues to grow? (1.3.1)

Answer:

4. What drives trends in agricultural production? (1.3.1)

- A. Producer ease
- B. Stock market influences
- C. Consumer desires
- D. Transportation costs

Answer:

5. Give an example of a trend that impacted the agricultural industry. (1.3.1)

Answer:

6. The concept of sustainability is based on the idea \_\_\_\_\_. (1.3.1)
- A. of renewable energy being the only governmentally allowed energy source
  - B. that the depletion of natural resources is inevitable in civilized society
  - C. that consumers will always drive market trends
  - D. that everything we need to survive depends on our natural environment

Answer:

7. List three sustainable agriculture practices. (1.3.1)

Answer:

8. Which of the following engineering innovations is already in use? (1.3.2)
- A. Drones for monitoring livestock.
  - B. Remote-controlled tractors.
  - C. Soil testing-enabled planting equipment.
  - D. All are correct.

Answer:

9. Information systems include the equipment and software that are used to collect, filter, process, and \_\_\_\_\_ information. (1.3.2)
- A. create
  - B. change
  - C. distribute
  - D. remove

Answer:

10. What percentage of US agricultural production comes from producers who do not farm as their full-time job? (1.3.3)
- A. 13%
  - B. 26%

C. 35%

D. 41%

Answer:

11. What are the two steps to becoming an informed consumer? (1.3.3)

Answer:

### **Critical Thinking**

1. Where do you see the future of agriculture going? Explain two to three changes you think will happen to the agricultural industry in the next 20 years. List the changes and the factors you think will drive the changes. (1.3.3)

Answer: