

Name:

Date:

Class:

## Lesson 10.1: The Beef Industry

### Know and Understand

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

1. The beef cattle industry in the United States generates \_\_\_\_\_ annually. (10.1.1)

- A. \$5.6 billion
- B. \$22 billion
- C. \$87.7 billion
- D. \$112.1 billion

Answer:

2. The average size cowherd in the United States is \_\_\_\_\_. (10.1.1)

- A. 30 head
- B. 47 head
- C. 83 head
- D. 120 head

Answer:

3. *True or False?* The US beef industry exports less than 2 billion pounds of beef annually. (10.1.1)

Answer:

4. What is the first cell created after fertilization called? (10.1.2)

- A. Egg
- B. Embryo
- C. Sex cell
- D. Zygote

Answer:

5. What is the difference between sex cells and regular cells? (10.1.2)
- A. They have double the number of chromosomes.
  - B. They are only produced by males.
  - C. They have half the regular number of chromosomes.
  - D. They are not useful for animal growth and development.

Answer:

6. What is the approximate gestation period for beef cows? (10.1.2)
- A. 120 to 139 days
  - B. 200 days
  - C. 279 to 290 days
  - D. 290 to 305 days

Answer:

7. Calves are weaned at \_\_\_\_\_. (10.1.2)
- A. 6 to 8 weeks
  - B. 3 to 4 months
  - C. 6 to 8 months
  - D. 12 to 18 months

Answer:

8. At what age are heifers usually bred? (10.1.2)
- A. 15 to 18 months
  - B. 18 to 24 months
  - C. 24 months
  - D. None are correct.

Answer:

9. *True or False?* Cattle graze for their first three months in feedlots and eat high-grain diets for the next three to four months. (10.1.3)

Answer:

10. *True or False?* Commercial cattle are typically purebred animals that are registered with a breed association. (10.1.3)

Answer:

11. *True or False?* Cattle chew cud to aid in further digestion. (10.1.4)

Answer:

12. *True or False?* A herd of cattle functions as a single entity and may move spontaneously in one direction. (10.1.5)

Answer:

13. The primal cuts of beef include the \_\_\_\_\_. (10.1.6)

- A. brisket, plate, and flank
- B. rib and round
- C. loin and chuck
- D. All are correct.

Answer:

14. *True or False?* Subprimal cuts include the edible offal. (10.1.6)

Answer:

15. Identify the type of diet beef cattle enjoy while living in feedlot operations. Explain why they are fed this type of diet. (10.1.3)

Answer:

16. List the types of performance data kept on record for purebred cattle. (10.1.3)

Answer:

17. Explain why it is a good idea to maintain some level of human contact with a herd of beef cattle. (10.1.5)

Answer:

18. Which beef cattle breeds are indigenous to the United States? (10.1.7)

Answer:

19. Explain the differences between *Bos taurus* and *Bos indicus*. (10.1.7)

Answer: