

EVALUATION

Circle the letter that corresponds to the best answer.

1. What are elements or chemical compounds that support life processes called?
 - a. Feed
 - b. Grass
 - c. Nutrients
 - d. Roughage

2. Which nutrient is composed of hydrogen and oxygen and maintains body temperature?
 - a. Carbohydrates
 - b. Fat
 - c. Mineral
 - d. Water

3. Which two nutrients are used for energy?
 - a. Fats and carbohydrates
 - b. Fats and protein
 - c. Protein and minerals
 - d. Vitamins and carbohydrates

4. Which of the following is a carbohydrate?
 - a. Calcium
 - b. Amino acids
 - c. Fatty acids
 - d. Sugar

5. If a cow cannot see properly, in which nutrient may the cow be deficient?

- a. Fat
 - b. Minerals
 - c. Protein
 - d. Vitamins
6. Which nutrient develops and repairs body organs and tissues?
- a. Carbohydrates
 - b. Minerals
 - c. Protein
 - d. Vitamins
7. Which of the following are macrominerals?
- a. Calcium and potassium
 - b. Chlorine and copper
 - c. Cobalt and phosphorus
 - d. Iodine and zinc
8. Fats have the same components as carbohydrates but provide _____ times more energy.
- a. 2.00
 - b. 2.25
 - c. 2.50
 - d. 2.75
9. When are nutrients needed to sustain body functions with no weight gain or loss?
- a. Gestation
 - b. Growth and development
 - c. Health and maintenance
 - d. Maintenance
10. When are additional nutrients needed for building muscles, bone, and connective tissue?

- a. Conception
- b. Growth and development
- c. Health
- d. Lactation

Complete the following short answer questions.

11. What are the nutrient needs of the sow during gestation? What are its nutrient needs during lactation?

12. Why are nutrients important for animal health?