



EQUINE DIGESTIVE SYSTEM

Test your knowledge! Check your own answers paying close attention to any you missed.

True/False Statements:

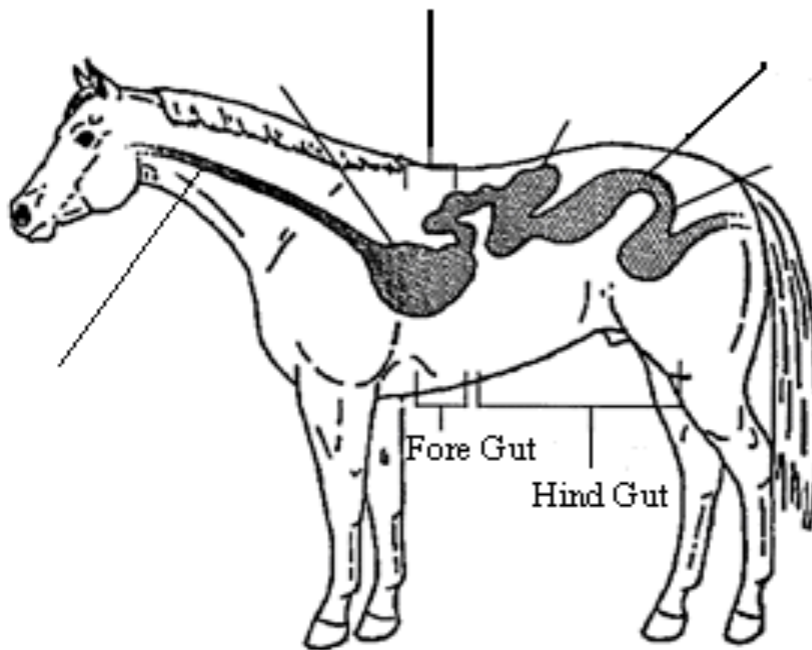
1. _____ T/F: Protein is not a factor in hoof formation.
2. _____ T/F: Proteins are the largest part of a horses food supply.
3. _____ T/F: Fats furnish a concentrated source of energy, up to 2.25 that of carbohydrates.
4. _____ T/F: Horses require large amounts of vitamins in their diets.

Short Answer

5. List the six categories of nutrients and one fact about each.
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6. What is the most important nutrient?
7. Describe the symptoms of one type of vitamin deficiency.

8. Compare the energy needs of a mature mare that is being maintained to that of a mare that is lactating and a mare working out each day.

9. Label the Digestive Tract of a horse provided below, using the word bank provided.



Word Bank

Esophagus

Cecum

Small Intestine

Small Colon

Large Colon

Stomach

Matching: Use the word bank provided to match the correct term with the definition.

10. _____ the feed allowed an animal during a 24 hour period.
11. _____ the breakdown of foods in the digestive tract to simple substances.
12. _____ classifications of feedstuffs that are high in energy and low in crude fiber.
13. _____ to take in by various means
14. _____ a substance that provides nourishment for the body.
15. _____ minerals in the body in small quantities.
16. _____ decomposition of organic substances under anaerobic conditions.
17. _____ the building blocks that make up the body's proteins
18. _____ the portion of the gross energy in a feed that is not excreted.
19. _____ the amount of nutrients in a feed or diet in the form in which it is fed.
20. _____ energy in the feed that is useful to the animal for growth, production, and reproduction.

Word Bank

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|----------------------|-------------------------------|
| A. Absorption | H. Impaction |
| B. Amino Acids | I. Macrominerals |
| C. As-fed basis | J. Metabolized Energy |
| D. Concentrates | K. Microminerals |
| E. Digestible Energy | L. Nutrients |
| F. Digestion | M. Rations |
| G. Fermentation | N. Total Digestible Nutrients |