

Questions

1. How many gallons of water will a horse weighing the following pounds need in a week?
 - a. 1,200 lbs
 - b. 875 lbs
 - c. 1,050 lbs

2. In groups discuss the concept of supplements. Do you use supplements with your own horse or do you know someone who does? Do they help?

3. Place the following feedstuffs under their correct category:

molasses
grains
fish oil
corn meal oil
hay

calcium
phosphorous
iron
copper
zinc

soybean meal
cottonseed meal
legume hays

Energy

Protein

Vitamins

Minerals

4. Use the following clues to fill in the puzzle and answer the riddle:
 1. naturally occurring part of the horse's diet
 2. comprised of two groups that are divided based upon how they are absorbed
 3. not an actual nutrient class
 4. composed of the building blocks of life
 5. most basic nutrient

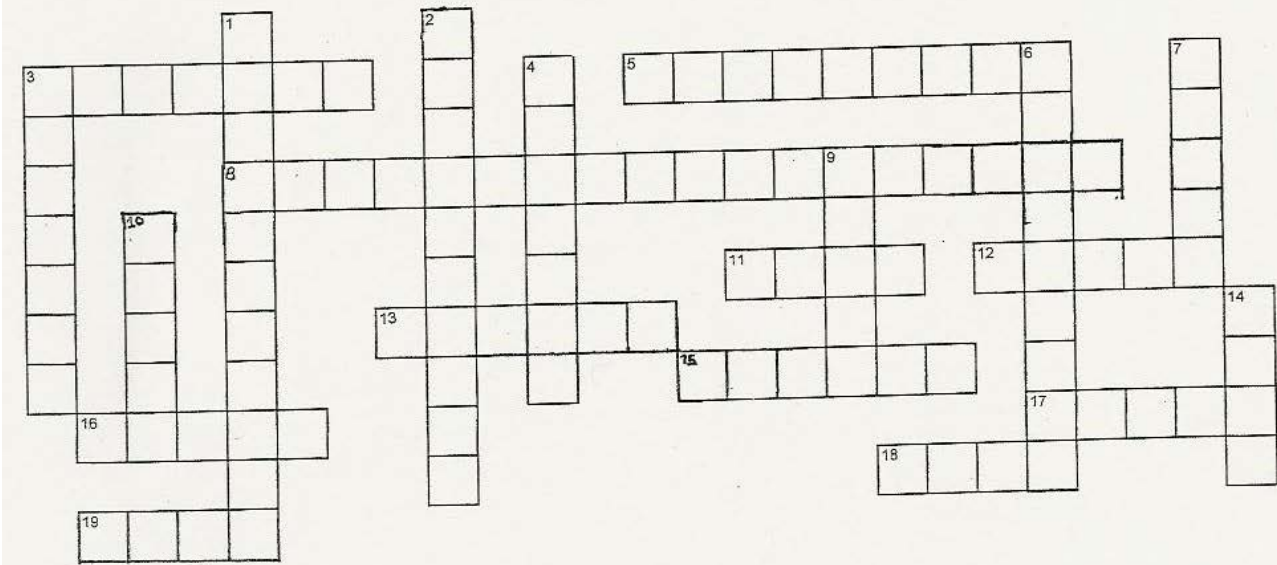
1. _ _ _ _ O _ _ _
2. _ O _ _ _ _ _
3. _ _ _ _ _ _ O _ _
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5. _ _ _ _ O

Riddle: Supplements are a _____ class of nutrients

Word Bank:

- ADEK
- Calcium
- Deficiency
- Energy
- Fats
- Five
- Gestation
- Legume
- Macro
- Micro
- Nutrients
- Oils
- Pasture
- Physiological state
- Protein
- Supplements
- Trace
- Urine
- Water

Horse Nutrition



Clues

Across

3. source of carbohydrates
5. during the last months of _____ nutritional needs increase
8. level of work
11. number of classes of nutrients
12. these minerals appear in smaller amounts in nature
13. type of hay high in protein
15. made up of fats and carbohydrates
16. excess protein is secreted in this
17. micro minerals are also known as
18. contain twice the energy of carbohydrates
19. a good source of fat

Down

1. not required but can be added to the horse's diet
2. caused by not consuming enough of a mineral
3. composed of amino acids
4. aids in bone formation
6. water transports _____ to the cell
7. these minerals appear in larger amounts in nature
9. vitamin C can be produced here
10. nutrient requirement of 10% body weight
14. fat-soluble vitamins

1) a: 840. b: 612.5. c: 735

2) Individuals answer themselves.

3) Energy: molasses, grains. Protein: soybean meal, cottonseed meal, legume hays.

Vitamins: hay. Minerals: calcium. Phosphorus, iron, copper, zinc.

4) 1: Vitamins. 2: Roughage. 3: Supplements. 4: Protein. 5: Water

Riddle: "minor"