

2009 NYS 4-H Horse Bowl  
Jr. Round 6

**One-On-One**

1. C1      Q.    What mineral deficiency results in a deficiency of vitamin B 12?  
            A.    Cobalt  
            S.    Lewis 39
2. C2      Q.    What is the name of the Standardbred stallion that never raced, but  
            approximately 99% of all Standardbreds trace to him?  
            A.    Hambletonian  
            S.    Evans 28
3. C3      Q.    Forages are available in a wide variety of forms and sizes. Name 2  
            ways forages can be provided.  
            A.    Square bales, Big round bales and square bales, hay cubes, chopped  
            hay, pelleted hay, silage  
            S.    HIH 750-50
4. C4      Q.    What part of the stallion's reproductive tract produces sperm and are  
            located in the scrotum?  
            A.    Testes (testicles)  
            S.    Kainer 74
5. C1      Q.    Anemia is the primary sign of what kind of mineral deficiency?  
            A.    Iron  
            S.    Evans 233
6. C2      Q.    Many of the early colonists bought Chickasaw horses from the  
            Indians. Where in the United States did the Chickasaw originate?  
            A.    East coast (Georgia)  
            S.    DET 55, Evans 8

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7. C3      Q.    What is the original name for the Standardbred?
- A.    American Trotting Horse
- S.    Evans 28
8. C4      Q.    You have a Quarter Horse and a racing Thoroughbred. Which one would be considered a “long horse”?
- A.    Thoroughbred
- S.    DET 171
9. C1      Q.    What happens to the total nutrient content of grass hay as the grasses mature and go to seed?
- A.    The nutrition decreases
- S.    HIH 750-2
10. C2     Q.    What is the wild horse of Australia called?
- A.    Brumby
- S.    DET 41
11. C3     Q.    The eyes, ears, and nose of a horse are specialized sensory organs of the nervous system. What sense of the horse is the olfactory nerve responsible for?
- A.    Smell
- S.    Kainer 78
12. C4     Q.    What is the disease that was named after the Maryland River Valley where it was first recognized? It is an acute onset of severe diarrhea, fever, and laminitis that can be fatal.
- A.    Potomac Horse Fever
- S.    DET 219, Lewis 174

**End One-On-One**

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**Begin Open Questions**

13. Q. Horses maintained on a pasture year round will tend to spot graze, leaving overgrown areas and closely grazed areas. What is the primary cause of this runoff?
- A. Overgrazing
- S. HIH 360-4
14. Q. In reference to training, primary or secondary reinforcers can be divided into 2 general types. What are these 2 types?
- A. Positive and negative
- S. Evans 664
15. Q. Identify one area on a horse where you would find a brand.
- A. Cheek, neck, shoulder, hip
- S. DET 37
16. Q. In a mare, the Follicle Stimulating Hormone (FSH) and Luteinizing Hormone (LH) are produced by what gland?
- A. Pituitary
- S. YLM 326-2L

**Toss Up – Bonus Question**

17. Q. Name one way a basic coat color can be modified.
- A. Roaning, dilutions, graying, pinto/paint
- S. Evans 81

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**Bonus Question**

18. Q. Your horse has an abscess that has opened on its hoof. Name 2 things you can do to encourage the abscess to drain, dry, and heal.
- A. Soak the foot (Epsom salts or other solutions to promote draining)  
Apply a germicide to the infected area  
Pack it (poultice, hoof pack, etc.)
- S. YLM 334-2L

**Resume Open Questions**

19. Q. Give one advantage of a synthetic saddle over a leather saddle.
- A. Less expensive, lighter weight, easier to care for
- S. HIH 1100-3
20. Q. A cutting horse class is a class designed to show “cow sense” by asking the horse and rider to do 2 things. What are they?
- A. Separate one cow from the others and keep it from returning to the herd
- S. DET 75
21. Q. Give another name for the large roundworm.
- A. Ascarid, Parascaris equorum, white worm
- S. DET 204
22. Q. What is the name of the reflex when a horse automatically closes the eye when a hand is moved toward it?
- A. Menace reflex
- S. DET 179

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23. Q. What do the letters AHSA stand for?
- A. American Horse Show Association
- S. DET 5

#### Toss Up – Bonus Question

24. Q. What are a male and female donkey called?
- A. Male – jack                      Female – Jennet
- S. Evans 76

#### Bonus Question

25. Q. Erosion on your pastures is affected by environmental or topographical factors. Name 3 of these factors.
- A. Soil type                      Slope of the land  
Vegetation cover              Amount of precipitation (rain or snow)
- S. HIH 360-4

#### Resume Open Questions

26. Q. In a stallion, what hormone is necessary for masculine appearance, behavior, and testicular function?
- A. Testosterone
- S. HIH 920-3, DET 265
27. Q. In training, negative reinforcements are unfavorable to horses and they will work to avoid it. Name one type of negative reinforcement.
- A. Avoidance, punishment, escape
- S. HIH 1240-3

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28. Q. The Palomino colored horse is a dilution of what basic coat color?
- A. Chestnut
- S. Evans 81
29. Q. Give 2 reasons why you would choose to put shoes on your horse.
- A. Prevent discomfort or excessive wear from hard or rough surfaces  
Correct faulty foot structure  
Therapeutic treatment of a hoof problem  
Assist in correcting or modifying a gait  
Traction
- S. Lewis 179, Evans 727

### Last Question of the Round

30. Q. The Paso is a unique four-beat lateral gait that can be performed by the Paso Fino at three different speeds. What is the name of the slowest speed?
- A. Paso Fino
- S. Evans 178