

**2006 New York State Junior 4-H Horse Bowl  
Round Five**

**One-On-One**

1. C1      Q.    Which hay is usually higher in protein and calcium, birdsfoot trefoil or timothy?
- A.    Birdsfoot trefoil
- S.    HIH 750-3                                700
- 
2. C2      Q.    Which vitamin is necessary for the production of the blood-clotting factor?
- A.    Vitamin K
- S.    AYHC-YLM-INT 206-1                    400
- 
3. C3      Q.    What is the name of the nerve that transmits impulses from the retina of the eye to the brain?
- A.    Optic nerve
- S.    DET pg. 196                                400
- 
4. C4      Q.    What is the name of the gland in the horse's abdomen that produces pancreatic juice and insulin?
- A.    Pancreas
- S.    DET pg. 203                                400

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5. C1      Q.    What part of blood functions in the immune system by defending against foreign cells, such as bacteria?
- A.    White blood cells
- S.    HIH 830-1                      400
- 
6. C2      Q.    What is the name of the Appaloosa horse coat pattern where the horse is white with colored spots over the body?
- A.    The leopard pattern
- S.    Evans pg. 34                      300
- 
7. C3      Q.    What is the weight bearing part of the horse's foot?
- A.    The hoof wall
- S.    AYHC-YLM-Int 221-3L                      400
- 
8. C4      Q.    What is the name of the conformational flaw in which the hocks, when viewed from the back, turn inward and are close together?
- A.    Cow hocked
- S.    Evans pg. 154                      800

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9. C1      Q.    What is the name of the tiny air sacs in the lungs where oxygen and carbon dioxide are exchanged?
- A.    Alveoli
- S.    DET pg. 7    400
- 
10. C2     Q.    Which is higher in crude protein: oats, corn, or soybean meal?
- A.    Soybean meal
- S.    Lewis pg. 142                                        700
- 
11. C3     Q.    The foundation sire of what pony breed was the result of mating an Appaloosa mare and a Shetland stallion?
- A.    Pony of the Americas (POA)
- S.    Evans pg. 60                                        200
- 
12. C4     Q.    What is the term for a horse that doesn't want to leave other horses or the barn area?
- A.    Barn sour
- S.    AYHM-YLM-Beg 111-1L                            900

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- 13.C1 Q. What is the name given to a saddle on which the rider sits facing forward with both legs on one side?
- A. Side saddle
- S. DET pg. 245 1000
14. C2 Q. A horse is traveling at a walk or trot, what is it called when the toe of the hind shoe contacts the toe or heel of the forefoot on the same side?
- A. Forging
- S. DET pg. 112 600
15. C3 Q. What organ is a blood-filtering system that is responsible for the removal of waste products through urine from a horse's body?
- A. The kidney
- S. Evans pg. 119 400
16. C4 Q. What is the name of a male horse that is under three years of age?
- A. A colt
- S. DET pg. 62 200

**End One-On-One**

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**Begin Open Questions**

17. Q. In reference to horse racing, what is the term given to a horse that has never won a race?
- A. A maiden
- S. DET pg. 174 1000
18. Q. What is the term used for the conformational defect in which there is too great of an angle of the pastern?
- A. Coon-footed
- S. DET pg. 68 600
19. Q. What is the preferred bedding for a foaling stall?
- A. Straw
- S. AYHC-YLM- Int 230-2L 500
20. Q. What is the name of the screen on the front of a horse carriage or cart that protects against splashing?
- A. A dash
- S. DET pg. 77 1000

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### Toss Up – Bonus Attached

- 21 Q. Give one reason why a veterinarian would use a nerve block.
- A. For surgery or to diagnose a site of pain
- S. Kainer plate 22 400

### Bonus

- 22 Q. Bonus Question: The horse's foot can be divided into sensitive structure and hoof structure. What is the difference between the two structures?
- A. Sensitive- contain blood vessels and nerves (provides nourishment)  
Hoof- do not contain blood vessels and nerves
- S. HIH 505-2 400

### Resume Open Questions

- 23 Q. How many bones are in a horse's skeleton?
- A. 205 bones
- S. Kainer plate 6 600
- 24 Q. What is the common name for the social rank or hierarchy exhibited by a group of horses?
- A. Pecking order
- S. DET pg. 207 900

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25. Q. At what age does a horse get its deciduous or baby premolars?  
A. Birth- two weeks  
S. HIH 405-1 400

**Toss Up – Bonus Attached**

26. Q. In a conformational balanced horse, the length of the horse's heart girth should be approximately the same length as what other part of the horse?  
A. It's leg  
S. AYHC-YLM-Int 223-2L 600

**Bonus**

27. Q. Bonus question: Name three joints of the horse's forelimb.  
A. Shoulder, elbow, knee (carpus), fetlock, pastern and coffin  
S. Evans pg. 98 400

**Resume Open Questions**

28. Q. In a mare's reproductive system, how many horns does a mare have?  
A. Two (a left and a right)  
S. Kainer plate 70 500

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29. Q. What is the term for a horse that is not a purebred horse and is of mixed origins?
- A. A grade horse
- S. DET pg. 123 200

**Last Question of the Round**

30. Q. Give the name for the lateral movement of a horse with out moving forward or backward.
- A. Sidepass
- S. DET pg. 245 1000