



**2009 NYS 4-H Horse Bowl  
Sr. Round 8**

5. C1 Q. What breed registry is the oldest for an American breed of horse and was founded in 1891 in Louisville, Kentucky?
- A. American Saddlebred Horse Association
- S. HIH 156-1                      200/4
6. C2 Q. Where is the occipital crest located on the horse?
- A. At the top of the head between the ears
- S. DET p. 194                      410/4
7. C3 Q. How many furlongs are in a 1½ mile race?
- A. 12 furlongs (8 furlongs per mile)
- S. Evans p. 20                      1040/3
8. C4 Q. What is the common name for ileocolonic aganglionosis?
- A. White Foal Syndrome (also accept lethal white foal syndrome and lethal white syndrome)
- S. HIH 1060-6                      550/3
9. C1 Q. What is the term for the mucous membrane that lines the inside of the eyelid?
- A. Conjunctiva
- S. DET p. 67                      420/3
10. C2 Q. What synthetic pony breed is a result of crossing Shetland and Hackney ponies?
- A. Americana
- S. Evans p. 66                      200/4

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11. C3 Q. What type of feedstuff is used in horses with respiratory problems as a non-dusty substitute for roughage or fiber and may also be mixed with cereal grains in a commercial concentrate?
- A. Beet pulp
- S. YLM 302-4L 790/3
12. C4 Q. Where are the sublingual glands located?
- A. Beneath the tongue
- S. DET p.259 805/4

**End One-On-One**

**Begin Open Questions**

13. Q. Composting stall waste for 1 to 2 months reduces the volume of waste by what percentage?
- A. 40-70 percent (accept anything within this range)
- S. HIH 360-3 920/4
14. Q. What is the name for the major muscle that raises and lowers the scrotum?
- A. Cremaster
- S. YLM Adv. 327-1, HIH 920, Evans p. 355 410/4
15. Q. “Dew poisoning” results in dermatitis due to photosensitization. It occurs in horses that graze on alsike clover pasture. Why is it referred to as “dew poisoning”?
- A. It is the result of contact with dew-laden clover pasture or grazing clover pasture during wet or humid weather

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S. Lewis p. 314 770/3

16. Q. Approximately how much blood does a 1000 lb. adult horse have?

A. 13.2 gallons or 50 liters (accept 13 gallons)

S. YLM B119-2L 440/4

**Toss Up – Bonus Attached**

17. Q. (Two Part) All horses carry the genotype for one of two colors. Other genes will modify or mask the expression of these colors. Name these **two** colors.

A. Black and chestnut

S. Evans p.473 550/4

**Bonus Question**

18. Q. Correctly identify **each** of these **four** types of jumps from the following descriptions.

1. A jump made of shrubs and brush with a clearly visible bar
2. A drop jump that is a solid earthen ramp or wall
3. A spread obstacle consisting of a sunken trough of water
4. An obstacle that is wide rather than high

A. Brush; Bank; Water jump; Spread jump

S. DET p. 23, 41, 288, 253 1075/4

**Resume Open Questions**

19. Q. Volatile fatty acids are produced in the horse's hindgut by microbial action. Name **one** of the two types of microbes that are involved in this production.

A. Bacteria and protozoa

S. HIH 710-2, Lewis 389, Evans 199 430/3

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20. Q. What is the common name for the coxofemoral joint?  
A. Hip joint  
S. Kainer plate 31                      410/3
21. Q. What is the correct term for foals with knees or hocks deviating **inward**?  
A. Valgus (not Varus....which is knees or hocks deviating outward)  
S. HIH 525-2                                      620/4
22. Q. (Two Part) You are using a double-rigged crossbuck pack saddle on your horse. Why would you choose to use a double-rigged cinch for your horse and how is it different from using a standard front and back cinch?  
A. Eliminates the problem of the back cinch sliding back and causing the horse discomfort and helps eliminate sores.  
  
Front and back cinches are connected and made into one piece  
S. HIH 1125-3                                      1020/4
23. Q. Icterus is a result of abnormal accumulation of what substance in tissues?  
A. Bile  
S. DET p. 149                                      830/3



