



**2009 NYS 4-H Horse Bowl**  
**Sr. Round 9**

6. C2 Q. What is the name of the shoeing nail that is used to increase traction on icy surfaces?
- A. Frosthead
- S. Evans p. 739 900/3
7. C3 Q. In a pari-mutuel race you are placing an “across the board” ticket on a horse. Where in the race must your horse place to collect a pay off on the bet?
- A. You collect on the bet if your horse runs first, second or third
- S. DET p. 3 1040/4
8. C4 Q. What is the correct medical terminology for the muscle that causes the hair to stand on end and helps keep the horse warm in cold weather?
- A. Errectores pilorum (do not accept erector muscle)
- S. DET p. 99 460/4
9. C1 Q. The Sinoatrial node is located in the wall of the right atrium. What important function of the heart is it responsible for?
- A. It is the pacemaker of the heart
- S. Kainer plate 58 440/5
10. C2 Q. What bit is being described? This bit is used to show young Thoroughbreds in hand. It is also used to control a horse that rears?
- A. Chifney
- S. DET p. 13 980/3

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11. C3 Q. When talking about the management of horse facilities, what do the initials BMP stand for?
- A. Best Management Practices
- S. HIH 360-1 920/5
12. C4 Q. What does the term “blow a stirrup” refer to?
- A. To lose a stirrup iron
- S. DET p. 33 1000/4

**End One-On-One**

**Begin Open Questions**

13. Q. What is the purpose of a prophylactic medication?
- A. Used to prevent a disease
- S. DET p.221 805/5
14. Q. Which breed of horse originated in Mexico as a result of crossing Andalusian stallions with Quarter Horse mares?
- A. Azteca
- S. DET pg. 19 200/4
15. Q. Although this is probably more commonly known as a slang term for a favorite type of soda, this term is also the Spanish term for roping classes. What is this term?
- A. Colas
- S. DET p.61 1060/4

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16. Q. (Two Part) Give **two** examples of “flat bones”.
- A. Skull & Ribs
- S. Evans p. 90                      410/3

**Toss Up – Bonus Attached**

17. Q. Name **three** of the areas of hair on the horse’s body that never shed.
- A. Mane  
Tail  
Eyelashes  
Tactile hairs of the muzzle
- S. Evans p. 129                      460/4

**Bonus Question**

18. Q. Your mare is pregnant and in day 338. Name **four** things that you might observe in your mare that would indicate she is starting the first stage of labor.
- A. Seeking isolation from other horses  
Stops eating  
Anxious  
Becomes restless – pacing, lies down and gets up repeatedly  
Signs of mild colic – looking or biting at flanks  
Tail switching  
Sweating  
Frequent urination  
Wax may fall off and milk starts to drip (Evans)
- S. Lewis p. 245, Evans p. 417                      510/4

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**Resume Open Questions**

19. Q. In regards to infectious diseases, what is the term for the time period between the exposure to an infectious agent and the development of the first signs of the disease?
- A. Incubation or incubation period
- S. Lewis p. 393, DET 151                      800/3
20. Q. A horse with a short, steep pastern will endure more concussion and may be predisposed to what disease or unsoundness?
- A. Navicular Disease (also accept sidebone)
- S. Evans p. 162                                      810/3
21. Q. (Two Part) What are the **two** purposes of the breast collar when packing with horses?
- A. Keeps the load centered and prevents the pack from slipping backward on the horse's kidneys when traveling uphill
- S. BEG 118-1 Leader                              1020/3
22. Q. If a horse is rubbing its tail or rump, it is commonly thought to be caused by pinworms. Name one other parasite that can cause this behavior in the horse.
- A. Lice, mange mites, biting midges
- S. Evans p. 640, Lewis p. 158                      865/4
23. Q. (Three Part) What are the **three** membranes in the placenta?
- A. Chorion, allantois and amnion
- S. Evans p. 340                                      480/4

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**Toss Up – Bonus Attached**

24. Q. Identify **four** areas on the horse where a hackamore bit would exert pressure.
- A. Nose, face, jaw, chin, poll, cheeks (do not accept mouth)
- S. HIH 1100-8                      1000/5

**Bonus Question**

25. Q. Name **four** causes of hyperthermia.
- A. High humidity  
Hot weather  
Obesity  
Overwork  
Poor stable ventilation  
Prolonged exposure to direct sunlight  
Transportation
- S. YLM 204-2L                      800/4

**Resume Open Questions**

26. Q. What is the only artery that carries “un-oxygenated” blood?
- A. Pulmonary artery
- S. Kainer plate 57                      440/4
27. Q. Although it is described as German Silver, a bit made from this material is not made from silver and is actually a combination of 3 different metals. Name **one** of the metals found in German Silver.
- A. Copper, nickel and stainless steel
- S. HIH 1100-10                      1000/4

