

**2008 Senior State 4-H Horse Bowl
Round Three**

5. C1 Q. What nutrients are primarily stored in the horse's body as glycogen?
A. Carbohydrates (also accept sugar or glucose)
S. DET 122, Lewis 391 730/3
6. C2 Q. What is the most significant factor in storing hay that will affect the quality of your hay?
A. Moisture
S. HIH 710-5 700/2
7. C3 Q. What would the offspring of a mule and a hinny be called?
A. A miracle – both are sterile.
S. Evans 76 200/2
8. C4 Q. The appearance of man in North America during the Paleolithic era coincided with the disappearance of the horse from the continent. What early use of the horse by man could have contributed to this?
A. Use of the horse as food
S. Evans 5 100/2

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9. C1 Q. What is the stimulus for the horse's winter coat to start to grow?
A. Decrease in daylight hours (NOT decreased temperature)
S. YLM 304-2L 460/2
10. C2 Q. To be classified a blaze, the white must cover the full width of which bones?
A. Nasal bones
S. Evans 82 310/3
11. C3 Q. What type of medication is used to counteract a poison?
A. Antidote
S. DET 12 800/2
12. C4 Q. When comparing the crossbuck and Decker saddles, which is better suited to a sling load that is mantied (mant-teed)?
A. Decker
S. YLM 118-1L 1020/3

End One-On-One

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Begin Open Questions

13. Q. Where in the horse's digestive tract are soluble carbohydrates digested to simple sugars and absorbed for use as energy?
- A. Small intestine
- S. HIH 710-1 430/2
14. Q. In draft horses, terrets are rings on the harness. What passes through these rings?
- A. The reins or lines
- S. DET 265 1050/3
15. Q. Thoroughpin is a soft, fluid-filled enlargement of the outside of the joint that can be pushed freely from the outside to the inside surface of the joint by palpation. What joint is it found in?
- A. The hock (tarsus)
- S. Evans 165, Lewis 406 620/3
16. Q. How high above the normal resting position of your horse's head is the recommended minimum height that your trailer should measure?
- A. 10 inches (accept any answer in range 10 – 12 inches)
- S. YLM 301-2L 960/3

Toss Up – Bonus Attached

17. Q. Administering drugs to a horse to improve or hinder his performance in a race or competition is known as doping. Name 2 body fluids that may be tested to detect doping.
- A. Urine, saliva, blood
- S. DET 84, 227 800/3

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Bonus Question

18. Q. Foal pneumonia is the major cause of mortality in foals. Name four (4) factors that predispose foals to pneumonia.

- A. Dust
Fluctuations in temperature
Extremes of temperature humidity
Parasites
Stress
Failure of passive transfer of immunity/no colostrum
Secondary to other infection ex. Influenza
Hereditary diseases ex. Combined immunodeficiency
Failure to vaccinate the mare
- Poor sanitation
Overcrowding
Poor ventilation
Poor nutrition
Prematurity

S. HIH 950-8, Lewis 259 530/4

Resume Open Questions

19. Q. Name one of the two areas in the world where the early domestication of the horse was believed to have occurred between 4500 and 2500 B.C.

- A. China or Mesopotamia (also accept Asia)

S. Evans 6 100/3

20. Q. A properly fitted stirrup iron should allow how much space on each side of the widest part of the rider's foot?

- A. ¼ inch on each side

S. HIH 1100-3 1000/3

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21. Q. The first purebred Arabian breeding program in the United States is linked to what United States president who was given two Arab stallions by the Sultan of Turkey?
- A. President Ulysses S. Grant
- S. HIH 150-1 200/3
22. Q. Which gait is known as the “nearly ideal form of locomotion”, “mother of all gaits, or as “foundation gait”?
- A. The walk
- S. DET 113, Evans 172 640/2
23. Q. Frequent urination and eversion of the vulva or winking will occur during what phase of the mare’s reproductive cycle?
- A. Estrus or heat cycle
- S. HIH 910-1, Lewis 235 510/2

Toss Up – Bonus Attached

24. Two part Q In general terms what is injured in the shoulder to create the muscle atrophy seen in sweeney? What type of horse is this normally found in?
- A. A nerve (more specifically the suprascapular nerve)
Draft breed or horse used in harness
- S. Kainer plate 22, DET 260 810/4

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29. Q. In reference to horse racing, if your horse does not finish in the money what term is used to describe its finish in the race?
- A. Also-ran
- S. DET 7 1040/3

Last Question of the Round

30. Q. What disease is being described? This disease is a rhabdovirus that infects the nervous system of the horse. It can be transmitted to any mammal. There is no treatment and it is fatal if the horse has not been previously vaccinated.
- A. Rabies
- S. Lewis 174, DET 227 820/2