



## 2008 Junior State 4-H Horse Bowl

### Round 3

5. C1 Q. What is the name for the horse's main energy nutrient whose compounds are made up of carbon, hydrogen, and oxygen?
- A. Carbohydrates
- S. DET 48, HIH 710-1 730
6. C2 Q. What is the most nutritious part of hay?
- A. The leaves
- S. HIH 710-5 700
7. C3 Q. What would the offspring of a Jenny and a male horse be called?
- A. Hinny
- S. DET 183, Evans 76 200
8. C4 Q. After the Paleolithic era, the first horses to reach the North American continent were from what country?
- A. Spain
- S. Evans 7 100



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**Begin Open Questions**

13. Q. Animals have different types of digestive systems based on where and how they digest components of feeds. The horse is classified as having what type of system?
- A. Nonruminant
- S. HIH 710-1 430
14. Q. On a single horse harness, what is the name for the part of the harness that the shaft passes through?
- A. Tug
- S. DET 276
15. Q. When hauling your horse a long distance, how often should you stop and rest your animal?
- A. Every 3-4 hours (Accept any answer in between)
- S. Evans 816, HIH 1150-2 960
16. Q. Doping of a horse to improve its performance is illegal. What is one body fluid authorities test to detect doping?
- A. Urine, blood, saliva
- S. DET 84, 227

**Toss Up – Bonus Attached**

17. Q. By 1918, the United States had an estimated 21 million horses. Most of them were what type of horse?
- A. Draft
- S. Evans 9 100

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**Bonus Question**

18. Q. Name 3 unsoundnesses or blemishes of the hock.
- A. Capped Hock  
Thoroughpin  
Bog Spavin  
Bone Spavin (Jack Spavin)  
Occult Spavin
- S. Evans 165

**Resume Open Questions**

19. Q. What are the 2 points on an english saddle that the saddle is measured from?
- A. The saddle nail (rivet on the front side of the skirt near the pommel) to the middle of the cantle
- S. HIH 1100-3
20. Q. In 1873, General Ulysses S. Grant was presented with what breed of horse by Sultan Abdul Hamid of Turkey?
- A. Arabian
- S. HIH 150-1
21. Q. What gait of the horse is thought to be the horse's most useful gait and has been termed the nearly ideal form of locomotion?
- A. The walk
- S. Evans 172

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22. Q. Frequent urination and winking are signs that a mare is in what phase of her reproductive cycle?

A. The heat cycle or estrus

S. HIH 910-1 510

23. Q. What is the name for the pigmented membrane of the eye?

A. Iris

S. DET 155

### Toss Up – Bonus Attached

24. Q. What is the term use for the atrophy of the shoulder muscles due to a nerve injury?

A. Sweeney

S. DET 260 810

### Bonus Question

25. Q. Your horse has a coggins test taken. Name 6 visual means of identification that can be provided for that coggins test.

A. Color	Cowlicks
Height	Muscular dimples/defects
Tattoes	Markings(socks, stars, blaze, etc.)
Scars	Blemishes
Brands	Sex

S. Evans 80 960

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**Resume Open Questions**

26. Q. What mineral works in conjunction with Vitamin E to help prevent muscle destruction?

A. Selenium

S. DET 241 750

27. Q. When you are participating in gymkhana events, how is a winner determined?

A. Person with the fastest time

S. DET 126 1060

28. Q. In reference to horse racing, what is the term for the entire group of horses that start a race?

A. Field of horses

S. DET 107 1040

29. Q. What system of the horse does the disease rabies attack?

A. Nervous System

S. Lewis 174, DET 227 820

**Last Question of the Round**

30. Q. After a foal is born, an iodine solution is used as a treatment to prevent infection in what part of the foal?

A. Naval stump

S. HIH 950-1 530