



**2007 Sr. NYS 4-H Horse Bowl  
Round One**

- 5 C1      Q.    Osselets is the term for an inflammation of the periosteum on the anterior surface of what joint?
- A.    Fetlock
- S.    Evans pg 161, Lewis pg 398                      810/2
- 
- 6 C2      Q.    The sole of the hoof is flatter on which pair of feet – front or rear?
- A.    Front
- S.    YLM – 321-2    410/2
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- 7 C3      Q.    Are **most** poisonous plants “more” or “less” toxic as the plant matures?
- A.    Less toxic
- S.    Lewis pg. 303-3698                                      770/3
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- 8 C4      Q.    What feed additive is commonly used to reduce dust and increase palatability of a feed?
- A.    Molasses
- S.    HIH 760-7    700/2



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**Begin Open Questions**

- 13 Q. How did the land bridges which formed during the Ice Age affect the history of Equus?
- A. They allowed Equus to migrate from North America throughout the rest of the world.
- S. Evans pg 4 100/3
- 14 Q. What is the common name of the bacterial disease of younger horses that affects the salivary glands and lymph nodes in the submandibular and retropharyngeal area?
- A. Strangles, equine distemper, shipping fever
- S. Evans pg 96 850/2
- 15 Q. Horses are at greatest risk for plant poisoning under what environmental conditions?
- A. When pastures are overgrazed and noxious weeds are able to proliferate, often due to poor pasture management or drought.
- S. Lewis pg 301 770/3
- 16 Q. What structure of the hoof am I? I am arched in shape, I provide some weight support, I flatten slightly to help absorb concussion, but my primary function is protection.
- A. The sole of the hoof
- S. HIH 505-2, 4 415/2
- 17 Q. How many pounds of manure does a 1000 pound horse produce per day?

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A. 45 – 50 pounds

S. HIH 360-2

**Toss Up – Bonus Attached**

18 Q. (Two part) What two things are found in the sensitive laminae of the hoof that cause it to be called sensitive?

A. Nerves and blood vessels.

S. HIH 505-2 415/3

**Bonus Question**

19 Q. (Bonus question) From proximal to distal name the three joints of the horses legs that are common to all four legs.

A. Fetlock, pastern and coffin

S. Evans pg 98 400/2

**Resume Open Questions**

20 Q. What breed is being described – this draft breed is a descendant of the medieval charger breed, its color is all shades of chestnut, and it originated in Suffolk County, England.

A. Suffolk Punch

S. DET pg 259 200/2

21 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?

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- A. The hock
- S. Evans pg 165, Lewis pg 406 640/3
- 22 Q. In case of an emergency what two pieces of equipment should be outside every horse's stall?
- A. Halter and lead
- S. Evans pg 822 900/2
- 23 Q. Orphan foals have a very high dietary energy requirement and should be fed how often during the first 1 – 2 weeks of life?
- A. Every 2 to 4 hours
- S. Kainer plate 69, Lewis pg 275 500/3

**Toss Up – Bonus Attached**

- 24 Q. (Two part) The bones and the teeth contain the majority of what two minerals found in the horses body?
- A. Calcium and phosphorus
- S. Lewis pg 20 750/2

**Bonus**

- 25 Q. (Bonus question) Name four different types of grass forage
- A. Bermuda Grass                      Reed Grass                      Wheat Grasses  
Canary (reed) Grass                      Bluegrass                      Digit Grasses  
Sudan Grass                      Brome Grass                      Redtop  
Tall Fescue                      Orchard Grass                      Bahia Grasses  
Timothy                      Rye Grass                      Johnson Grass

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|    | Sorghum                     | Sudex | Millet |
|----|-----------------------------|-------|--------|
| S. | YLM 102-1, Lewis pg 109-110 |       | 780/3  |

**Resume Open Questions**

- 26 Q. What color hair mixes with white hairs in a strawberry roan?  
A. Chestnut  
S. Evans pg 81 300/2
- 27 Q. Thrush is a black, strong smelling infection of the hoof that causes destruction of the frog. Is it caused by aerobic or anaerobic bacteria?  
A. Anaerobic bacteria  
S. YLM 334-1 815/2
- 28 Q. A horse's body fat can be estimated using what method of evaluation?  
A. Body condition scoring  
S. HIH 720-3 710/2
- 29 Q. When driving a horseshoe nail, the nail is started with the flat of the nail oriented in what direction?  
A. The flat side is oriented to the outside.  
S. Evans pg 745 900/3

**Last Question of the Round**

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- 30 Q. How old would a horse be with all adult teeth present and Galvayne's groove beginning to show at the gum margin of the upper corner incisor?
- A. 10 years old (accept range of 9 to 10 years old-DET pg 117)
- S. YLM 205-2, HIH 240-4, DET pg 117          430/3