

One-On-One

S. DET pg 213 480/4

S. Evans pg 81 300/3

S. Kainer – plate 24 400/3

S. HIH 710-1 430/2

2005 Eastern National 4-H Horse Bowl Round Two

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|------|----|--|-------|
| 5 C1 | Q. | What is the proper anatomical name for the bone of the horse where all of the lower teeth are located? | |
| | A. | Mandible | |
| | S. | Kainer plate 41 | 400/2 |
| 6 C2 | Q. | At what age does Galvayne's groove first appear on the upper third incisor? | |
| | A. | 9 to 10 years of age. Accept either 9 or 10. | |
| | S. | Kainer Plate 49, DET pg 117, AYHC-YLM INT 205-3 L 435/1 | |
| 7 C3 | Q. | What is the main physiological function of the red blood cell? | |
| | A. | Transport oxygen | |
| | S. | HHH 830-1, DET pg 99 | 440/2 |
| 8 C4 | Q. | What chamber of the heart does the oxygenated blood from the lungs first enter? | |
| | A. | Left atrium | |
| | S. | Kainer plate 57 | 440/3 |

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| 9 C1 | Q. | What is the name of the organ that is a flexible, distensible muscular structure for storing urine? | |
| | A. | Urinary bladder | |
| | S. | Evans pg 119 | 470/3 |
| 10 C2 | Q. | What important proteins does the mare's colostrum contain which are essential to the foal. | |
| | A. | Immunoglobulins or antibodies | |
| | S. | Evans pg 427 | 480/2 |
| 11 C3 | Q. | What cereal grain can be fed as whole, shelled, cracked, rolled or ear? | |
| | A. | Corn | |
| | S. | HHH 760-1 | 700/1 |
| 12 C4 | Q. | Which increases the energy requirements for the mare the most, pregnancy or lactation? | |
| | A. | Lactation | |
| | S. | Evans pg 209, Lewis pg 230 fig 13-1 | 710/2 |

End One-On-One

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Begin Open Questions

13. Q. White markings covering the area from the coronet band to the fetlock would be called what?
- A. Ankle (also referred to as a sock in HH)
- S. Evans pg 83 0300/1
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- 14 Q. Of the artificial gaits, what is the fastest four-beat gait?
- A. Rack
- S. Evans pg 178 0600/3

Toss Up – Bonus Attached

- 15 Q. Name two American breeds of horse that have two distinct types based on the gait the horse performs.
- A. Standardbred (trotters and pacers)
American Saddlebred (3 and 5 gaited)
- S. Evans pg 28 & 39 0200/3

Bonus Question

- 16 Q. Bonus question: Name three other mammals that became extinct from North America about the same time as the horse during the Pleistocene (ply-sto-scene) epoch.
- A. Rhinoceros, camel, saber-toothed tiger, elephant and mastodon
- S. Evans pg 4 0100/3

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Resume Open Questions

- 17 Q. What common name is given to the formation of excessive granulation tissue?
- A. Proud flesh.
- S. HIH 1100-3, DET pg 222 835/2
- 18 Q. What is the proper term for horse shoeing that is used as a mechanical technique to align and support the horse's stance or to change the timing of its gait?
- A. Corrective shoeing (**not therapeutic**)
- S. AYHC-YLM-INT 2321-1 0900/3
- 19 Q. When hay is green it possesses larger quantities of beta carotene, therefore making green hay richer in what vitamin?
- A. Vitamin A
- S. HIH 750-2 740/3

Toss Up – Bonus Attached

- 20 Q. In describing the color and markings of a horse, what three areas of the horse are referred to by the term points?
- A. Mane, tail and legs
- S. DET pg 215 300/2

Bonus

- ## Resume Open Questions

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- 25 Q. Compared to veins how do the walls of arteries differ?
- A. Arterial walls are muscular and thicker
- S. Kainer plate 23, DET pg 15 440/3

Toss Up – Bonus Attached

- 26 Q. Name two feral breeds of horse or pony native to the United States?
- A. American Mustang & Chincoteague Pony (Kaiger Mustang and Lakota Horse are also correct, but not in references)
- S. Evans, p. 55 0200/3

Bonus

- 27 Q. Bonus question: In order from youngest to oldest what are the four stages of the stable fly's life?
- A. Egg, larva, pupa and adult
- S. AYHC-YLM-BEG 100-1 L 880/2

Resume Open Questions

- 28 Q. What is a common term for pneumovagina where fecal material is sucked into the vulva?
- A. Windsucking
- S. AYHC-YLM-ADV 326-1-L 500/3

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- 29 Q. What high fiber feed stuff is used extensively in diets for horses that have respiratory problems?
- A. Beet pulp
- S. AYHC-YLM-ADV 302-2 L 700/2
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30. Q. What is the first nutrient that would cause a horse to experience problems if it was not available in adequate supply?
- A. Water
- S. Evans pg 246, 710/2
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- 31 Q. When splints occur what is the proper name of the boney callus that forms in the Periosteum?
- A. Exostosis
- S. DET pg 101, Lewis pg 404, Evans pg 159 800/3

Last Question of the Round

- 32 Q. Charging is a vice seen in all horses, but is more commonly seen in what type of horse?
- A. Stallions
- S. Evans pg 183 900/2