







**2006 Eastern National 4-H Horse Bowl  
Round Three**

**Begin Open Questions**

- 13 Q. Horses that eat new leaves and acorns from oak trees are poisoned by what substance?
- A. Tannic acid
- S. Lewis pg 303 770/3
- 14 Q. The disturbance of the blood flow and the bond of the sensitive laminae to the horny laminae is the cause of what disease?
- A. Laminitis (accept founder – not really correct in current thinking, but used in Evans as similar events)
- S. YLM 334-2 815/3

**Toss Up – Bonus Attached**

- 15 Q. What two additional gaits does the 5 gaited Saddlebred perform that the 3 gaited does not?
- A. Slow gait (stepping pace) and rack (not single-foot – this is a classification to describe all four beat artificial gaits)
- S. Evans pg 39-40, 178 200/3

**Bonus Question**

- 16 Q. (Bonus question) When examining a horse, what three things would you evaluate when looking at the mucous membranes?
- A. Color, moistness, and capillary refill time
- S. HIH 425-2 870/3

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**Resume Open Questions**

- 17 Q. What tool is used to level the bearing surface of the hoof after it has been trimmed by the nippers?
- A. Rasp
- S. YLM 116-1 900/2
18. Q. The following statements are about forages. Which one is false?
- a. Forages are high in calcium and low in phosphorus
- b. Forages are high in fiber
- c. Forages are high in digestible energy
- A. C – forages are low in digestible energy
- S. Lewis pg 63 700/4
- 19 Q. Electrical wiring in a barn is always run in conduit to minimize fire hazards. Why?
- A. To prevent chewing or rubbing by horses
- S. YLM 107-2, Evans pg 775 920/2

**Toss Up – Bonus Attached**

- 20 Q. (Two Part) What are the two functions of the long bones of the horse?
- A. They act as levers and provide support for the weight and movement of the horse
- S. Evans pg 90 400/3

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**Bonus**

- 21 Q. (Bonus question) Name four functions of the horse's kidneys?
- A. Production of urine – excretes waste products  
Filter the blood – cleanse  
Control water balance  
Control pH  
Maintain electrolyte balance
- S. Evans pg 119 470/3

**Resume Open Questions**

- 22 Q. What is the “proper term” for the allergic skin reaction commonly called hives or protein bumps?
- A. Urticaria
- S. DET pg 280 860/3
- 23 Q. What breed of horse is described as having contributed to almost every major American horse breed and is the oldest of the American breeds: Unlike most breeds this breed traces its foundation to a single stallion named Figure and is the only breed named after a horse.
- A. The Morgan
- S. HIH 151-1, Evans pg 6 0200/2
- 24 Q. Buttercups are toxic to horses when consumed on pasture. Why would buttercups in hay not be considered toxic?
- A. They are not toxic when they are dried
- S. Lewis pg 306 770/3

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- 25 Q. What infection of the horses hoof would be comparable to human onychomycosis or nail fungus?
- A. White line disease (Fungal infection)
- S. YLM 334-1 815/3

**Toss Up – Bonus Attached**

- 26 Q. (Two Part) What are two advantages of using bedding for your horse that is more absorbent?
- A. You use less bedding and replace it less frequently (also less labor and less expensive)
- S. HIH 330-1 920/3

**Bonus**

- 27 Q. (Bonus question) If you were going to trim a horse's hoof, what are the four essential tools you would need to have?
- A. Hoof pick  
Hoof knife (Farrier's knife)  
Nippers  
Rasp
- S. Evans pg 722 900/3

**Resume Open Questions**

- 28 Q. The length of the horse's stride and frequency of the stride define what?
- A. Speed
- S. Evans pg 169 640/2

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29 Q. What English saddle is being described? Padded knee roll, deep seat, forward flap, most popular type of forward seat saddle used for multiple disciplines.

A. All purpose saddle

S. HIH 1100-1 1000/2

30. Q. What term would be defined as the degree of expression of a trait for which the horse has the gene?

A. Penetrance

S. HIH 1060-2 550/4

31 Q. Why does a horse's refusal to eat a new type of grain **not** necessarily indicate that it is spoiled or unpalatable?

A. Horses tend to prefer grains that they are accustomed to and initially reject changes.

S. Lewis pg 73 700/4

**Last Question of the Round**

32 Q. In horse racing what distance describes the distance of 40 rods, 220 yards or 1/8 of a mile?

A. 1 Furlong

S. DET pg 116, Evans pg 20. 1040/2