

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

One-On-One

- 1 C1 Q. What is the common name for the membrane of the eye that helps remove foreign materials and is also called the third eyelid or nictitans?
- A. Haw (Haws) (Do not accept nictitans, 3rd eyelid or nictitating membrane – not common terms)
- S. DET pg 67, Evans pg 126 420/3
-
- 2 C2 Q. The coronary cushion is the elastic portion of what structure of the hoof?
- A. Coronary band
- S. HIH 505-5 415/3
-
- 3 C3 Q. A double dilution of the bay color results in what color?
- A. Perlino
- S. Evans pg 81 300/2
-
- 4 C4 Q. What part of the equine digestive tract is found between the jejunum and the cecum?
- A. Ileum
- S. Kainer plate 51 430/2

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

- 5 C1 Q. What is required in the diet to aid in the absorption of vitamins A, D, E and K?
- A. Fat
- S. Lewis pg 22 740/3
- 6 C2 Q. Name the four chambers of the heart.
- A. Right and left ventricle, right and left atrium
- S. Kainer plate 58 440/2
- 7 C3 Q. In the conformational defect bench knee or offset knee, what bone is set too far to the outside of the knee?
- A. Cannon bone, 3rd metatarsal
- S. HIH 230-3 600/2
- 8 C4 Q. Calcium is necessary for large number of diverse activities throughout the horse's body, but an excess or deficiency of it exerts its primary effects by causing disease in only one major system. What is that system?
- A. Skeletal system (bones)
- S. Lewis pg 20 750/2

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

9. C1 Q. What sense of the horse is the most essential in taking cues from the rider?
- A. Sense of touch
- S. HIH 1220-2 420-3
-
- 10 C2 Q. What mineral functions jointly with Vitamin E in protecting body tissues from oxidation-induced damage?
- A. Selenium
- S. Lewis pg 28 750/3
-
- 11 C3 Q. Will the edges of a crack in the hoof wall – such as a sand crack or quarter crack – heal together if the hoof wall is supported and immobilized?
- A. No – the hoof must grow out to eliminate the crack.
- S. YLM – 334-2 815/3
-
- 12 C4 Q. What nutritional component of the diet would you be monitoring if you are measuring the weight of a horse on a regular basis?
- A. Energy
- S. HIH 820-1 710/3

End One-On-One

**2007 Sr. NYS 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

15 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

16 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

17 Q. Electrical wiring in a barn is always run in conduit to minimize fire hazards. Why?

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

- A. To prevent chewing or rubbing by horses
- S. YLM 107-2, Evans pg 775 920/2

Toss Up – Bonus Attached

- 18 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 Question

- 19 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

Resume Open Questions

- 20 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

- 21 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.

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

- A. The Morgan
- S. HIH 151-1, Evans pg 6 0200/2
- 22 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
- 23 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

- 24 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

Bonus

- 25 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

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

S. Evans pg 119 470/3

Resume Open Questions

26 Q. The length of the horse's stride and frequency of the stride define what?

A. Speed

S. Evans pg 169 640/2

27 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

28 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

29 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

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

Last Question of the Round

- 30 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