

**2011 New York State 4-H Junior Horse Bowl  
Round 4**

**One-On-One**

1. C1     Q. What is the term for the type of behavior showing and giving of affection commonly seen between a mare and foal?  
  
          A. Epimeletic behavior  
  
          S. DET p. 97
  
2. C2     Q. At what age does the Galvayne's Groove extend all the way down the upper corner incisor tooth?  
  
          A. 20 years  
  
          S. HIH 240-4
  
3. C3     Q. What is the term for the time required for normal blood flow and color to return to an area of the gums after the application of pressure?  
  
          A. Capillary refill time (CRT)  
  
          S. ES p. 163
  
4. C4     Q. What type of bot fly attaches their black colored eggs to the hairs on the upper and lower lips of horses?  
  
          A. Nose bot fly  
  
          S. HIH 415-5

**2011 New York State 4-H Junior Horse Bowl  
Round 4**

5. C1 Q. The combination of copper, nickel, and stainless steel is known as what type of substance in regards to materials used to make bits?

A. German silver

S. HIH 1100-10

6. C2 Q. EEE, WEE, and VEE are primarily transmitted by what vector?

A. Mosquito

S. Evans p. 599

7. C3 Q. The mineral iodine is necessary for proper function of what gland?

A. Thyroid

S. ES p. 138

8. C4 Q. The canter is a gait that has how many beats?

A. The canter is a 3 beat gait

S. ES p. 74

9. C1 Q. Gonitis is an inflammation of what large joint in the hind limb of the horse?

A. Stifle joint

S. Evans p. 164

**2011 New York State 4-H Junior Horse Bowl  
Round 4**

10. C2 Q. What is the name of the leather straps encircling the front and hind legs on the same side of a pacer to keep the legs moving in unison and the help the horse maintain gait?

A. Hobbles (hobble hangers)

S. DET p. 140

11. C3 Q. What is the term for the collection of drops of dried colostrum at the end of each teat of a pregnant mare one to four days before foaling?

A. Waxing or waxing-over

S. Lewis p. 244; DET p. 288

12. C4 Q. What vice is the rhythmic swaying of weight from one front foot to the other when confined?

A. Weaving

S. DET p. 288

**End One-On-One**

**Begin Open Questions**

13. Q. In horse racing, if your horse placed, what position did the horse finish the race?

A. Second

S. DET p. 213

**2011 New York State 4-H Junior Horse Bowl  
Round 4**

14. Q. What is the vector for Lyme disease?
- A. Ticks
- S. ES p. 170
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15. Q. What is the organization that was founded in Washington, D.C. by a group of horseman concerned about federal legislation affecting their business?
- A. American Horse Council
- S. HIH 1910-1
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16. Q. How many pairs of spinal nerves does a horse have?
- A. 42 pairs
- S. ES p. 212

**Toss Up – Bonus Attached**

17. Q. Explain the main difference between arteries and veins in relation to the heart?
- A. Arteries take blood away from the heart  
Veins take blood back to the heart
- S. ES p. 208

**2011 New York State 4-H Junior Horse Bowl  
Round 4**

**Bonus Question**

18. Q. (Bonus) Name four types of Western saddles.
- A. Pleasure, Trail, Endurance, Reining, Barrel Racing, Roping, Cutting, Show (Western Pleasure/Equitation)
- S. HIH 1100-4

**Resume Open Questions**

19. Q. In reference to farrier tools, what do pull offs or pinchers have on the handles to distinguish them from other similar tools?
- A. Pull offs have knobs on the ends of the handles
- S. HIH 530-1
20. Q. Hyperkalemic Periodic Paralysis started in Quarter Horses of the genetic lineage of what Quarter Horse sire?
- A. Impressive
- S. ES p. 98
21. Q. Name one area on the horse where lice are usually noticed if they are infested?
- A. Mane, tail, on the head and neck areas
- S. DET p. 186

**2011 New York State 4-H Junior Horse Bowl  
Round 4**

22. Q. What is the term for removing sharp edges from the teeth with a rasp?

A. Floating

S. HIH 405-2

23. Q. What type of equine is more efficient in digesting fiber and therefore can be fed a diet that is higher in fiber?

A. Donkeys

S. ES p. 146

**Toss Up – Bonus Attached**

24. Q. Two percent of an average horse's body weight is a good rule of thumb for total feed for a maintenance diet. Give two examples of where two percent would be inadequate.

A. Young and growing  
Working hard  
Lactating

Reproducing  
Pregnant

S. ES p. 106

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### Bonus Question

25. Q. (Bonus) In reference to a horse's vision, where are three "blind spots" located?
- A. Directly in front of the horse  
Under the head and neck  
Over the head, neck, and back (topline)  
Directly behind the horse
- S. ES p. 58 - 60

### Resume Open Questions

26. Q. Name one piece of paperwork that is mandatory when transporting horses across all state lines?
- A. Negative Coggins Test and current health certificate (also accept Bill of Good Health or Certificate of Veterinary Inspection)
- S. YLM ADV 301-2L
27. Q. Is bay or black considered to be the dominate color?
- A. Bay
- S. Evans p. 479
28. Q. What is the name given to the horse race over natural or artificial obstacles, such as fences, hedges, and water jumps?
- A. Steeplechase
- S. DET p. 255

**2011 New York State 4-H Junior Horse Bowl  
Round 4**

29. Q. How does a newborn foal receive antibodies that it needs?

A. Colostrum

S. Evans p. 427

**Last Question of the Round**

30. Q. What is the only vein that carries oxygenated blood?

A. Pulmonary vein

S. Kainer plate 57