

**2009 NYS 4-H Horse Bowl
Sr. Round 9**

One-On-One

1. C1 Q. The Cheyenne Indians thought Spanish mustangs with what Color pattern possessed supernatural powers of protection?
- A. Medicine Hat
- S. Evans p. 56 310/3
2. C2 Q. What is the term for the cloth that is draped across the lap of passengers to keep them warm and dry when riding in a carriage?
- A. Apron or Rug (also accept lap robe)
- S. DET p. 14 1050/4
3. C3 Q. A tear of the interosseus ligament between the third and fourth metatarsals results in what condition?
- A. Splint
- S. Evans p.159, Lewis p. 404 620/5
4. C4 Q. Justin Morgan was the foundation sire for the Morgan breed. His ability to pass his breed type on to his offspring regardless of the type of mare he was bred to would be referred to by what genetics term?
- A. Prepotent
- S. HIH 151-1 200/4
5. C1 Q. What part of the brain controls the basic body functions such as temperature, respiration and heart rate?
- A. Brain stem (medulla oblongata)
- S. DET p. 37 420/3

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6. C2 Q. What is the name of the shoeing nail that is used to increase traction on icy surfaces?
- A. Frosthead
- S. Evans p. 739 900/3
7. C3 Q. In a pari-mutuel race you are placing an “across the board” ticket on a horse. Where in the race must your horse place to collect a pay off on the bet?
- A. You collect on the bet if your horse runs first, second or third
- S. DET p. 3 1040/4
8. C4 Q. What is the correct medical terminology for the muscle that causes the hair to stand on end and helps keep the horse warm in cold weather?
- A. Errectores pilorum (do not accept erector muscle)
- S. DET p. 99 460/4
9. C1 Q. The Sinoatrial node is located in the wall of the right atrium. What important function of the heart is it responsible for?
- A. It is the pacemaker of the heart
- S. Kainer plate 58 440/5
10. C2 Q. What bit is being described? This bit is used to show young Thoroughbreds in hand. It is also used to control a horse that rears?
- A. Chifney
- S. DET p. 13 980/3

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11. C3 Q. When talking about the management of horse facilities, what do the initials BMP stand for?
- A. Best Management Practices
- S. HIH 360-1 920/5
12. C4 Q. What does the term “blow a stirrup” refer to?
- A. To lose a stirrup iron
- S. DET p. 33 1000/4

End One-On-One

Begin Open Questions

13. Q. What is the purpose of a prophylactic medication?
- A. Used to prevent a disease
- S. DET p.221 805/5
14. Q. Which breed of horse originated in Mexico as a result of crossing Andalusian stallions with Quarter Horse mares?
- A. Azteca
- S. DET pg. 19 200/4
15. Q. Although this is probably more commonly known as a slang term for a favorite type of soda, this term is also the Spanish term for roping classes. What is this term?
- A. Colas
- S. DET p.61 1060/4

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16. Q. (Two Part) Give **two** examples of “flat bones”.
- A. Skull & Ribs
- S. Evans p. 90 410/3

Toss Up – Bonus Attached

17. Q. Name **three** of the areas of hair on the horse’s body that never shed.
- A. Mane
Tail
Eyelashes
Tactile hairs of the muzzle
- S. Evans p. 129 460/4

Bonus Question

18. Q. Your mare is pregnant and in day 338. Name **four** things that you might observe in your mare that would indicate she is starting the first stage of labor.
- A. Seeking isolation from other horses
Stops eating
Anxious
Becomes restless – pacing, lies down and gets up repeatedly
Signs of mild colic – looking or biting at flanks
Tail switching
Sweating
Frequent urination
Wax may fall off and milk starts to drip (Evans)
- S. Lewis p. 245, Evans p. 417 510/4

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Resume Open Questions

19. Q. In regards to infectious diseases, what is the term for the time period between the exposure to an infectious agent and the development of the first signs of the disease?
- A. Incubation or incubation period
- S. Lewis p. 393, DET 151 800/3
20. Q. A horse with a short, steep pastern will endure more concussion and may be predisposed to what disease or unsoundness?
- A. Navicular Disease (also accept sidebone)
- S. Evans p. 162 810/3
21. Q. (Two Part) What are the **two** purposes of the breast collar when packing with horses?
- A. Keeps the load centered and prevents the pack from slipping backward on the horse's kidneys when traveling uphill
- S. BEG 118-1 Leader 1020/3
22. Q. If a horse is rubbing its tail or rump, it is commonly thought to be caused by pinworms. Name one other parasite that can cause this behavior in the horse.
- A. Lice, mange mites, biting midges
- S. Evans p. 640, Lewis p. 158 865/4
23. Q. (Three Part) What are the **three** membranes in the placenta?
- A. Chorion, allantois and amnion
- S. Evans p. 340 480/4

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Toss Up – Bonus Attached

24. Q. Identify **four** areas on the horse where a hackamore bit would exert pressure.
- A. Nose, face, jaw, chin, poll, cheeks (do not accept mouth)
- S. HIH 1100-8 1000/5

Bonus Question

25. Q. Name **four** causes of hyperthermia.
- A. High humidity
Hot weather
Obesity
Overwork
Poor stable ventilation
Prolonged exposure to direct sunlight
Transportation
- S. YLM 204-2L 800/4

Resume Open Questions

26. Q. What is the only artery that carries “un-oxygenated” blood?
- A. Pulmonary artery
- S. Kainer plate 57 440/4
27. Q. Although it is described as German Silver, a bit made from this material is not made from silver and is actually a combination of 3 different metals. Name **one** of the metals found in German Silver.
- A. Copper, nickel and stainless steel
- S. HIH 1100-10 1000/4

