

**2011 New York State 4-H Senior Horse Bowl
Round 9**

One-On-One

1. C1 Q. It is rare that a horse is poisoned by a single mouthful of a toxic plant. Name **one** of the two plants that are considered to be the exception to this rule.

A. Water hemlock or yew

S. Lewis p. 301 770/4

2. C2 Q. What breed of horse is most commonly associated with Equine Night Blindness?

A. Appaloosa

S. ES p.100 550/3

3. C3 Q. Orphan foals have a very high dietary energy requirement and should be fed how often during the first 1 – 2 weeks of life?

A. Every 2 to 4 hours

S. Kainer plate 69, Lewis p. 275 500/3

4. C4 Q. In a cutting competition, the horse and rider must demonstrate their ability to “cut” cattle and prevent them from returning to the herd. What is the time limit in this contest?

A. Two minutes and thirty seconds

S. HIH180D-1 1070/4

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5. C1 Q. In general, foals born to previously vaccinated mares would begin receiving routine vaccinations at what age?
- A. 3 months of age (also accept 3 or 4 months due to new AAEP guidelines)
- S. HIH 950-10 805/3
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6. C2 Q. What is considered the **most** important factor when evaluating the quality of a forage at the time of harvest?
- A. Stage of maturity
- S. HIH 760-4 780/3
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7. C3 Q. There are many different types of horse shoe nails including city, regular and countersunk. Which of these nails are most often used for handmade shoes and foreign-made shoes?
- A. Countersunk
- S. YLM INT 231-4L 900/4
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8. C4 Q. What hormone would be influencing the cervix when it is flaccid, very pink and vascular, and produces a thin watery mucous?
- A. Estrogen
- S. HIH 910-3 480/4

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9. C1 Q. What is the **primary** vector for the equine disease caused by the bacteria *Borrelia burgdorferi*?
- A. Ticks
- S. HIH 655-1 840/4
-
10. C2 Q. The proximal and distal sesamoid bones serve as pulleys to change the direction of which **specific** tendon?
- A. Deep digital flexor tendon (must specify deep not superficial)
(also accept deep flexor tendon)
- S. Kainer plate 12 400/4
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11. C3 Q. Identify **one** of the two physiological reasons for adding lysine to a horse's diet?
- A. For growth or milk production
- S. DET p. 173 760/4
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12. C4 Q. What is the common term for aerophagia?
- A. Windsucking (also accept cribbing)
- S. Lewis p. 373; DET p. 72 930/4

End One-On-One

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Begin Open Questions

13. Q. In general, when is a foal considered to be a neonate?
A. During the first 30 days after birth
S. DET p. 189 500/4
14. Q. What is the common name for dermatitis granulose?
A. Summer sores
S. DET p. 79 860/4
15. Q. What is indicated by the behavioral term pica?
A. A horse that eats unnatural substances such as bones, wood, hair, etc.
S. DET p. 211 910/4
16. Q. In regards to pasture management, identify **two** circumstances when you should keep horses off the pasture?
A. During pesticide spraying and fertilizing, to reduce overgrazing, when there is fresh or lush pasture, during winter, when soils are wet
S. HIH 360-3; HIH 360-4 920/3

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Toss Up – Bonus Attached

17. Q. Identify **two** ways you can promote better manure distribution in a pasture and avoid areas of heavy manure deposition.
- A. Provide several watering sites, periodically move feeding or water sites, split pastures, rotational grazing
- S. HIH 365-2 920/4

Bonus Question

18. Q. (Bonus) Timeline...The estrous cycle of a mare is influenced by the action of many hormones. Starting with the beginning of the follicle development and continuing through ovulation and the eventual return to diestrus, place the following **four** hormones in the correct order for a **non-pregnant** mare...
- Prostaglandin
LH (Luteinizing hormone)
Progesterone
FSH (Follicle stimulating hormone)
- A. FSH...LH...Progesterone...Prostaglandin
- S. HIH 910-6 510/5

Resume Open Questions

19. Q. What is considered the major cause of death in foals less than 8 months old?
- A. Pneumonia
- S. Lewis p. 258 850/3

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20. Q. What is the only **draft breed** recognized as a breed that originated in the United States?
- A. The American Cream Draft Horse (also accept Cream Draft Horse or American Cream) (do **not** accept Cream Horse or American Cream Horse as these terms refer to a color breed and not specifically a draft horse)
- S. HIH 155B-1; DET p.8 200/4
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21. Q. What is the common term for urticaria?
- A. Hives (also accept protein bumps)
- S. Lewis p. 393, 407 850/4
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22. Q. Are red maple leaves **more** toxic when fresh or when wilted or dried?
- A. Wilted or dried (toxic up to 30 days once dried)
- S. Lewis p. 331 770/4
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23. Q. What is an anthelmintic?
- A. A de-worming agent (do not accept “wormer”)
- S. YLM INT 224-3L 805/3

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Toss Up – Bonus Attached

24. Q. Identify **two** of the three bones that form the orbital cavity of the skull.
- A. Frontal bone, zygomatic bone and lacrimal bone
- S. Kainer plate 41; DET p. 247 410/4

Bonus Question

25. Q. (Bonus) Name **five** factors that you would consider when choosing bedding for a stall.
- A. Absorptive capacity Price
Ease of handling Availability
Clean up and disposal Dustiness
Texture (slippery when wet, etc.) Storage requirements
Irritability from dust or components causing allergies
Type of horses (foaling stalls, etc.)
- S. HIH 330-2 920/4

Resume Open Questions

26. Q. What is the main function of the large colon?
- A. Water absorption
- S. ES p. 113 430/3
27. Q. During strenuous exercise which muscle receives the largest increase in blood flow?
- A. Diaphragm muscle
- S. Evans p. 114 410/5

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28. Q. What is the minimum ceiling height for a breeding shed?
A. Minimum of 12 to 15 feet high (accept anything within this range)
S. Evans p. 781 920/3
29. Q. What is the common name for Recurrent Exertional Rhabdomyolysis?
A. Tying-Up
S. HIH 460-3 800/4

Last Question of the Round

30. Q. What is another name for the activity described as
“heading and heeling”?
A. Team roping
S. DET p. 263 1060/4