

**2011 New York State 4-H Senior Horse Bowl
Round 5**

One-On-One

1. C1 Q. What is the **anatomical** term for the muscle that is used by the horse for shaking off flies?
- A. The panniculus muscle
- S. DET p. 203 410/3
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2. C2 Q. Which light breed of horse consistently outlives other breeds, is in its prime at age 20 and often lives well past 30?
- A. Arabian
- S. HIH 153B-2 200/3
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3. C3 Q. What term refers to the yellow pasty feces that indicate that the foal has passed the meconium?
- A. "Milk feces"
- S. HIH 9502 500/4
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4. C4 Q. Epinephrine is a hormone that stimulates the sympathetic nervous system and affects blood flow and muscle contractions. What endocrine gland produces epinephrine?
- A. Adrenal gland
- S. Evans p. 127; DET p. 98 490/3

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5. C1 Q. What is the difference in the design of a cowboy shoe and a polo shoe?

A. The inside rim on the web of a polo shoe is raised above the outside rim

S. Evans p. 737 900/3

6. C2 Q. What is the **minimum** height for the ceiling in a horse stall?

A. At least 8 feet high

S. Evans p. 778 920/3

7. C3 Q. What horse is considered the foundation sire for the American Albino breed?

A. Old King

S. Evans p. 53 200/4

8. C4 Q. What is the common term for the ossification of the lateral cartilages in the distal phalanx?

A. Sidebones

S. Kainer plate 12 620/2

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9. C1 Q. What historic event took place at Circus Maximus?
A. Roman chariot races
S. DET p. 57 100/4
10. C2 Q. What test is performed to diagnose Equine Infectious Anemia?
A. Coggins test
S. DET p. 60 800/3
11. C3 Q. What secretion is produced by the buccal glands?
A. Saliva
S. Kainer plate 47 430/4
12. C4 Q. Is a horse's normal temperature higher during the day
or at night?
A. During the day
S. Kainer plate 53 800/3

End One-On-One

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Begin Open Questions

13. Q. What organization do the initials AVA represent?
- A. American Vaulting Association
- S. HIH 185D-1 230/4
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14. Q. The System for Scoring the Estrus Behavior in Mares rates the mare's receptivity to the stallion from 0 to 4. What score would indicate that the mare is in diestrus?
- A. Accept score of 0 or 1 as correct answer
- S. YLM ADV 336-1L 510/3
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15. Q. The drugs Navigator and Marquis are used in the treatment of what disease?
- A. EPM (Equine Protozoal Myeloencephalitis)
- S. HIH 670-2 805/4
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16. Q. You do the math... A newborn foal normally weighs **9-10%** of the mare's body weight. What would be the approximate weight of a foal if the mare weighs **1200 pounds**?
- A. Approximately 108 to 120 pounds (accept anything within this range)
- S. HIH 940-5 510/3

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Toss Up – Bonus Attached

17. Q. (Two Part) How is the shape of the horse's pupil different in comparison to other mammals and how does the shape of the pupil benefit the horse?
- A. The pupil is more horizontal (ex. a cat's pupil is more vertical; a human's pupil is more round)
Gives the horse more vision over a wide horizon; enables the horse to see predators more easily (accept either as correct answer)
- S. ES p. 56 825/4

Bonus Question

18. Q. (Bonus) There are many variations of the basic gray coat pattern. Identify **four** different terms that describe a gray horse.
- A. Flea-bitten
Dapple gray
Rosettes (bursts of white on gray)
Blue or steel gray (gray on black, liver chestnut or seal brown)
Rose gray (gray on chestnut)
- S. Evans p. 81: ES p. 45 300/4

Resume Open Questions

19. Q. What is the country of origin for the Cleveland Bay horse?
- A. England
- S. DET p. 58 200/3

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20. Q. What term describes the formation of excessive granulation tissue that may occur on healing leg wounds?
- A. Proud flesh
- S. YLM BEG 109-2L 860/2
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21. Q. What term refers to when a high percentage of mares on a breeding farm have abortions due to Rhinopneumonitis?
- A. Abortion storm
- S. Evans p. 598 510/3
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22. Q. What is the pangaré affect on color?
- A. Results in light areas of color on the muzzle, over the eyes, on the flanks and inside the legs
- S. Evans p. 481 310/4
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23. Q. What **two** categories of nutrients provide energy for the horse?
- A. Carbohydrates and fats
- S. YLM ADV 302-1L 710/3

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Toss Up – Bonus Attached

24. Q. In regards to genetics, true lethals are conditions that result in embryonic death, which is death before birth. Identify **two** true genetic lethals.
- A. Lethal dominant white (lethal white, homozygous white, dominant white)
Lethal dominant roan (lethal roan, homozygous roan)
- S. HIH 1060-4 550/3

Bonus Question

25. Q. (Bonus) Correctly identify the joint where each of the following **four** bones would be located.
Patella
Calcaneous
Olecranon
Distal sesamoid
- A. Stifle (patella)
Hock (calcaneous)
Elbow (olecranon)
Coffin (distal sesamoid)
- S. Kainer plates 10,14,29,30 410/4

Resume Open Questions

26. Q. A horse with what genetic disease would benefit from a diet that is low in potassium?
- A. HYPP or Hyperkalemic Periodic Paralysis (also accept PIPP or Potassium Induced Periodic Paralysis)
- S. Lewis p. 298; HIH 1060-6 700/3

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27. Q. What is a unicorn hitch?

A. Hitch with 2 horses hitched as a pair and a third horse hitched in front of them

S. DET p. 279 1050/2

28. Q. What is the **anatomical** term for the area of the reproductive tract in the stallion that transports spermatozoa from the epididymis to the urethra?

A. Vas Deferens

S. Evans p. 358 520/3

29. Q. The oribatid mite is the intermediate host for what type of internal parasite?

A. Tapeworm

S. HIH 430-4 835/3

Last Question of the Round

30. Q. What type of stall bedding would be a good choice for a horse with heaves or horse owners with allergies?

A. Shredded newspaper

S. HIH 330-2 920/3