

**2012 New York State Senior 4-H Horse Bowl
Round 7**

One-On-One

1. C1 Q. The coat color of a dun and grulla are different, however, they **both** have what characteristic marking?

A. Dorsal stripe (do not accept black points or head is darker than body)

S.ES p. 43 310/3

2. C2 Q. What **specific** area of the digestive tract is the **primary** site for fiber digestion?

A. Cecum

S. ES p. 112 430/4

3. C3 Q. In general, what determines the severity of a snaffle bit?

A. Diameter (thickness) of the mouthpiece (smaller the diameter the more severe)

S. HIH 1100-8 1000/3

4. C4 Q. What terms refers to the canter when the front and hind legs are different leads?

A. "Disunited" canter (also accept cross canter and cross firing)

S. ES p. 76; DET p. 82 640/3

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5. C1 Q. What anatomical structure is located in the mediastinum, produces T-lymphocytes and is largest in foals at 6 to 8 weeks of age?
- A. Thymus
- S. Kainer plate 63 400/4
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6. C2 Q. What sensory deficit is often present in horses with the splashed white color pattern?
- A. Deafness
- S. ES p. 50 825/4
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7. C3 Q. In regards to evolution, what term refers to the first “true horse” that first appeared approximately 1 million years ago?
- A. Equus
- S. ES p. 6 100/3
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8. C4 Q. In general, what phase of a foot flight pattern is being altered with shoe modifications such as heel calks, square toes or toe extensions?
- A. Break-over (also accept landing)
- S. Evans p. 748 900/4

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9. C1 Q. What is the haploid number of chromosomes in the ovum and spermatozoa of the Przewalski's horse?
- A. 33 chromosomes
- S. ES p. 89; Evans p. 550/4
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10. C2 Q. What is the name for the breed of horse that was developed by the east coast Indian tribes?
- A. Chickasaw
- S. DET p. 55; Evans p. 55 200/4
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11. C3 Q. In a pari-mutuel race you are placing an "across the board" bet on a horse. Where in the race must your horse place to collect prize money?
- A. You collect if your horse runs first, second or third
- S. DET p. 3 1040/3
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12. C4 Q. Which joint is the most common location for osselets?
- A. Fetlock
- S. Evans p. 161 620/3

End One-On-One

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Begin Open Questions

13. Q. Your mare is due to deliver her first foal. You have raised the mare since birth and she has never been bred before. She was bred to a stallion with an incompatible blood type. What should you do to prevent neonatal isoerythrolysis when this foal is born?
- A. No risk to this foal (only to subsequent pregnancies when the mare develops antibodies to the incompatible blood type)
- S. ES p. 102 510/4
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14. Q. What type of knot forms the eye of a lariat?
- A. Honda knot (Honda)
- S. DET p. 141 1060/4
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15. Q. Donkeys only have chestnuts on the front legs. Identify **one** type of equine other than horses and ponies that have chestnuts on **both** the front and hind legs.
- A. Mules and hinnies
- S. ES p. 21 460/4
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16. Q. What is the difference between jibbing and shying in regards to a horses response to a frightening object?
- A. Shying-sudden quick movement away and usually to the side
Jibbing-horse freezes, refuses to move forward and may back away
- S. Lewis p. 378 910/4

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Toss Up – Bonus Attached

17. Q. (Two Part) What specific type of blood cell is affected in a horse with leukemia and what is the difference between leukemia and leukopenia?
- A. Leukemia affects the white blood cells. Leukemia is an increased number of white blood cells and leukopenia is an abnormally low number of white blood cells.
- S. DET p. 168 840/5

Bonus Question

18. Q. (Bonus) Soil erosion of pastures is affected by what **four** environmental factors?
- A. Soil type, slope of land (topography), precipitation (amount of rain or snowfall); vegetative cover
- S. HIH 360-4 920/4

Resume Open Questions

19. Q. Name three types of bot flies.
- A. Common, nose, and throat
- S. Evans pp. 633-635 835/4
20. Q. Hirsutism is a common symptom of Cushing's Disease. What is hirsutism?
- A. Abnormally long hair coat
- S. DET p. 140 890/5

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21. Q. What is the most popular type of 2 or 3-horse trailer in regards to how the horses are positioned in the trailer?
- A. Slant load
- S. YLM ADV 301-1L 960/3
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22. Q. At what age do the canine teeth erupt?
- A. 4 to 5 years (accept anything within this range)
- S. YLM INT 205-2L 435/3
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23. Q. Changing the diet of a lactating mare 5 to 7 days before weaning and for at least 2 weeks following weaning will make the transition quicker and more comfortable. What should be eliminated from the mare's diet during this period of time?
- A. Grain
- S. Lewis p. 271 510/4

Toss Up – Bonus Attached

24. Q. What are the **three** characteristics required of **all** Appaloosas?
- A. Eye is encircled with white (white sclera)
Skin is mottled (especially the nose and genitals)
Hooves are vertically striped black and white
(do not accept spotted coat pattern)
- S. Evans p. 32; HIH 140-1 200/3

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Bonus Question

25. Q. Identify **four** ways that horses use their olfactory sense.

- A. To locate food
 - To ensure food/water are acceptable quality
 - To identify humans
 - To identify other horses
 - To identify objects
 - To smell potential predators or other dangers
 - To identify marked territory of other horses/herds
 - To initiate sexual and breeding behavior

S. ES p. 61 425/4

Resume Open Questions

26. Q. You do the math... Approximately 75 percent of a horses total body weight is made up of water. If your horse weighs 1000 pounds, how much of this total weight is water?

A. 750 pounds

S. ES p. 115 700/3

27. Q. Identify the **two** bones that are fused together in the forearm?

A. Ulna and radius

S. Kainer plate 10 410/3

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28. Q. What does the term “blow a stirrup” refer to?

A. To lose a stirrup

S. DET p. 33 1010/4

29. Q. What is the country of origin for the Falabella?

A. Argentina

S. Evans p. 67 200/3

Last Question of the Round

30. Q. What is the main symptom observed after ingestion of pokeweed?

A. Diarrhea

S. Lewis p. 303 770/3