

**2012 New York State Senior 4-H Horse Bowl
Round 5**

One-On-One

1. C1 Q. In the evolution of the horse, what term refers to the first 1-toed horse that lived 12 million years ago?
- A. Plihippus
- S. ES p. 9 100/4
-
2. C2 Q. Which gait of the Paso Fino is also referred to as the short walk?
- A. Paso corto (paso fino is a fine walk and paso largo is a long walk)
- S. ES p. 82 640/4
-
3. C3 Q. How often should horses be offered water when trailering long distances?
- A. Every 3-4 hours
- S. YLM ADV 301-2L 960/3
-
4. C4 Q. What is the name of the first horse to win the Kentucky Derby?
- A. Aristides
- S. DET p. 15 1040/3

**2012 New York State Senior 4-H Horse Bowl
Round 5**

5. C1 Q. What vein is located in the groove between the brachiocephalic and sternomandibular muscles in the neck?
- A. External jugular (also accept jugular)
- S. Kainer plate 61 440/4
-
6. C2 Q. What is the difference between a sole knife and a hoof or farrier's knife?
- A. Sole knife is used like a chisel when the sole is too hard to cut with the farriers knife (usually during hot, dry weather)
- S. Evans p. 728 900/4
-
7. C3 Q. Levels of acid detergent fiber (ADF) and neutral detergent fiber (NDF) indicate the maturity and digestibility of hay. Would low or high levels indicate better quality hay?
- A. Lower levels of ADF and NDF
- S. HIH 750-2 780/3
-
8. C4 Q. Galvayne's groove appears on the upper corner incisor at about 10 years of age. At what age has the groove completely disappeared from the tooth?
- A. 30 years
- S. HIH 240-4 435/3

**2012 New York State Senior 4-H Horse Bowl
Round 5**

9. C1 Q. Consumption of Milkweed or Dogbane would be classified as what specific type of sudden death poisoning?
- A. Cardiac glycoside-induced sudden death (also accept cardiac sudden death)
- S. Lewis p. 334 770/3
-
10. C2 Q. What rare genetic disease results in foal death due to infection and the characteristic appearance of foals with missing patches of hair or skin at birth?
- A. Epitheliogenesis Imperfecta
- S. Evans p. 514 880/3
-
11. C3 Q. What is the name of the rings on the surcingle or harness that the reins pass through?
- A. Terrets (also pronounced turret)
- S. DET p. 265 1000/3
-
12. C4 Q. What organization reviews and updates the Horse Industry Handbook and Youth Leaders Manual reference books?
- A. American Youth Horse Council (AYHC)
- S. HIH 1940-2 220/3

End One-On-One

**2012 New York State Senior 4-H Horse Bowl
Round 5**

Begin Open Questions

13. Q. Would a **Standard** Diamond Brand size 1 shoe most likely be used for shoeing a pony, average horse or a large horse?
- A. Average size horse
- S. Evans p. 728 900/4
-
14. Q. Hackney ponies are typically what color?
- A. Bay
- S. Evans p. 64 200/3
-
15. Q. What type of medication is an alcohol based substance applied to the horses legs after exercise to prevent swelling?
- A. Brace (also accept liniment)
- S. DET p. 36, 169 805/3
-
16. Q. (Two Part) Where would you find an elliptic spring on a carriage and what is its purpose?
- A. Spring under the seat; to absorb shock
- S. DET p. 90 1000/4

2012 New York State Senior 4-H Horse Bowl Round 5

Toss Up – Bonus Attached

17. Q. “Leaf shatter” may occur when hay is baled too dry.
What nutrient contained in the leaves is lost when
the leaves prematurely fall off the stems?

A. Protein (also accept carbohydrates)

S. HIH 750-3, 750-4 780/3

Bonus Question

18. Q. (Bonus) You are the night attendant for a large breeding farm.
One of the broodmares is lying down and in hard labor.
The foal is in a normal presentation with the front feet, front
legs and nose delivered, however, even with strong contractions
and pushing by the mare the labor is not progressing with
delivery of the shoulders. Give **three** guidelines on how to
correctly assist the mare with the delivery.

A. Grasp the foal’s legs at the ankles with your hands
Maintain the correct position with one foot slightly forward
As the mare exerts pressure hold the foal at the level the mare
has expelled the foal to so the foal does not slide back
Do not pull on the foal unless the mare is exerting pressure
When pulling only one person should exert slight pressure
When pulling exert downward pressure in an arc toward
the mare’s hocks to maintain correct delivery position
Strong traction on the forelegs can result in damage to the
mare or the foal’s chest

S. HIH 940-4, 940-5 500/4

**2012 New York State Senior 4-H Horse Bowl
Round 5**

Resume Open Questions

19. Q. What is a flat race?
A. A race without jumps
S. DET p. 109 1040/2
20. Q. Who is credited with the development of the Appaloosa breed?
A. Nez Perce Indians
S. HIH 152B-1; Evans p. 32 200/2
21. Q. You do the math... You are the owner of a construction company that specializes in designing equine facilities. You will be building a hunter/jumper barn that will have 30 stalls. What is the **minimum** length of ridge vent to be installed for adequate ventilation?
A. Minimum of 30 feet (at least 1 foot per stall)
S. HIH 320-8 920/3
22. Q. What is micturition?
A. Urination
S. Evans p. 119 470/3

**2012 New York State Senior 4-H Horse Bowl
Round 5**

23. Q. What horse was the foundation sire for the American Albino?

A. Old King

S. Evans p. 53 200/3

Toss Up – Bonus Attached

24. Q. Color is largely controlled by the pigment melanin. What are the **two** forms of melanin?

A. Eumelanin and Pheomelanin

S. ES p. 93 300/3

Bonus Question

25. Q. (Bonus) Identify **four** types of **modifications** of a standard horse shoe that could be used by a farrier for corrective or therapeutic shoeing.

A. Square toe on shoe	Trailer
Calks	Bar across break-over point
Toe extension	Rolled toe shoe
Slipper heels	Half-rim
Chadwick spring	Raise or lower toe of shoe
Toe clips	Raise or lower heel of shoe
Shorten or lengthen toe of shoe	
Raise or lower inside or outside rim	

S. Evans pp. 748-750 900/4

Resume Open Questions

26. Q. What is the common term for leukoencephalomalacia?

A. Moldy corn disease

S. Lewis p. 357 830/4

**2012 New York State Senior 4-H Horse Bowl
Round 5**

27. Q. When packing with horses, what is the name of the piece of canvas that covers and protects the load?
- A. Manta (also accept “manty”)
- S. HIH 1125-3 1020/3
-
28. Q. What is the common term for the Culicoides biting midge?
- A. “Punkies” or “no-see-ums”
- S. HIH 415-3
-
29. Q. What is the purpose of applying a hot poultice?
- A. To increase the blood supply to an area, to draw out infection as with a sole abscess or puncture wound, to encourage an abscess to open and drain (only need to give one answer)
- S. HIH 440-6 805/3

Last Question of the Round

30. Q. In regards to the racing industry, what is a bug boy?
- A. Apprentice jockey (nickname came about because of the “bug” or asterisk denoting the 5 pound weight allowance)
- S. DET p. 42 1040/3