

**2010 New York State Junior 4-H Horse Bowl
Round 4**

One-On-One

1. C1 Q. In a mare, the oviducts are heavily lined with hair-like projections that help in transporting the ovum and sperm. What are these projections called?

A. Cilia

S. HIH 910-4

2. C2 Q. What parasite affects the bronchial tubes, lungs, and digestive tract of the horse and in many cases is related to exposure to donkeys?

A. Lungworms

S. ES p. 189

3. C3 Q. What is the term for the type of riding discipline where you separate one cow from the others and block its efforts to return to the herd?

A. Cutting

S. DET p. 76

4. C4 Q. What is the term for the signals or cues used by the rider to communicate with the horse?

A. Aids

S. DET p. 5

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5. C1 Q. Is phenylbutazone an antibacterial drug or an anti-inflammatory drug?
A. Anti-inflammatory
S. DET p. 211
6. C2 Q. What is one thing that happens to hay when it is baled with moisture content greater than 20%?
A. Heating, musty, molding, spontaneous combustion
S. HIH 750-4
7. C3 Q. How are antibodies passed from the mare to the foal?
A. Colostrum
S. ES p. 169
8. C4 Q. Is the size of the horse's eyeball larger or smaller than a whale's eyeball?
A. Larger than any mammal
S. ES p. 60

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9. C1 Q. What is the term for the cancerous tumor of the pigment- forming cells that grey horses are more predisposed to than other colored horses?
- A. Melanoma
- S. Evans p. 514
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10. C2 Q. In reference to a saddle, what is a latigo?
- A. A strap that fastens the girth of a western saddle (cinch strap)
- S. DET p. 165
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11. C3 Q. What is the term for the examination of a horse's body after death?
- A. Necropsy
- S. DET p. 189
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12. C4 Q. What is the name of the genetic disorder where the lower jaw is shorter than the upper jaw causing an extreme overbite?
- A. Parrot mouth (overshot jaw)
- S. HIH 1060-5, DET p. 204

End One-On-One

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Begin Open Questions

13. Q. Kentucky Saddler was the first name that was given to this breed of horse that was developed to be an easy riding, high-stepping, all purpose horse for plantations. What is this breed called today?
- A. American Saddlebred
- S. Evans p. 38, HIH 156-1
14. Q. What breed of horse is primarily affected by the genetic disease of Hyperkalemic Periodic Paralysis (HYPP)?
- A. Quarter Horse
- S. HIH 1060-6
15. Q. Boredom in a stable is one of the main causes of a horse developing a vice. Name two oral vices that a horse may develop.
- A. Wood chewing; cribbing (wind sucking); eating feces, manure, and dirt; tail or mane chewing
- S. Lewis p. 370
16. Q. What type of joint is the hip joint of the horse?
- A. Ball and socket joint
- S. Evans p. 688

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Toss Up – Bonus Attached

17. Q. Blood consists of two major components. What are these two components?
- A. Plasma and cells
- S. Evans p. 117

Bonus Question

18. Q. Horse owners have a responsibility to manage the manure that is a byproduct of their industry. Give three reasons why composting is a good treatment of the manure.
- A. Reduces the volume
Proper temperature kills fly egg and larvae, pathogens, and weed seeds
Less of an odor
More easily marketed
Acts as a slow released fertilizer
Soil conditioner
- S. HIH 365-2

Resume Open Questions

19. Q. In relation to breeding, what do the initials A.I. stand for?
- A. Artificial insemination
- S. Evans p. 376

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20. Q. What is the term for the two-track exercise in which the horse moves forward and sideways at the same time?

A. Half pass

S. DET p. 128

21. Q. The Americana Pony breed is a cross between the Shetland pony and what other spirited, high-stepping pony breed?

A. Hackney pony

S. Evans pp. 63, 66

22. Q. In regards to markings, what is the term for a dark-colored splotch on a basic coat color?

A. Blood mark (handprint)

S. ES p. 39

23. Q. What state of the country was the famous horse named Figure born (who became the foundation sire of the Morgan horse)?

A. Massachusetts

S. Evans p. 36

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Toss Up – Bonus Attached

24. Q. What breed of horse is most commonly associated with Lethal White Foal Syndrome?
- A. Paint (pinto)
- S. ES p. 98

Bonus Question

25. Q. Energy is made up of energy producing nutrients that are fed to horses. One of the nutrients is carbohydrates. Name two other nutrients.
- A. Starch Sugar
Fiber (cellulose) Fat
- S. ES p. 115

Resume Open Questions

26. Q. What is the name for the following event: It is timed, ridden at speed over natural fixed fences, and is a part of three day eventing.
- A. Cross country
- S. DET pp. 73, 267
27. Q. In fox hunting, how is the term couples used?
- A. A way to count the hounds (ex.: 13 hounds are known as 6 ½ couples)
- S. DET p. 70

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28. Q. Glycogen is an end product of the digestion of starches, sugars, and fiber. Name one area in the horse that glycogen is stored.

A. Kidney; liver; muscles

S. ES p. 146

29. Q. What is the name of the horse show class in which coat color and pattern is the deciding factor?

A. Color class

S. DET p. 62

Last Question of the Round

30. Q. Vitamins belong to one of two types: Fat-soluble and water-soluble. Vitamins A, D, E, and K are what type of vitamins?

A. Fat-soluble vitamins

S. ES p. 122