

**2006 New York State 4-H Horse Bowl  
Round One**

**Begin One-On-One**

1. C1 Q. What is the name of the competitive equine sport that is one of the Olympic competition events and is derived from the French word for training?  
  
A. Dressage  
  
S. HIH 172-1                      0100/3
  
2. C2 Q. What color is a foal born with a solid dark color hair coat, but with each consecutive change of the hair coat white hairs will become more prominent?  
  
A. Gray  
  
S. Evans pg 81                      0300/2
  
3. C3 Q. What are the withers, back, loin and croup collectively called?  
  
A. Top line  
  
S. AYHC-YLM-INT 223-2                      410/2
  
4. C4 Q. Name two systems of the horse that use smooth muscle.  
  
A. Digestive, respiratory, circulatory, integument and urogenital  
  
S. HIH 840-1                      410/3

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5. C1 Q. Sweat glands are located over all of the horse's body except what area?  
A. The legs.  
S. Evans pg 129 460/2
6. C2 Q. Would you classify a capped hock as a blemish or unsoundness?  
A. Blemish  
S. Evans pg 164 620/2
7. C3 Q. What is the general name for the most common used horse shoe that is pre-sized and often fitted to a horse's foot cold?  
A. Keg shoe  
S. Evans, p. 731 900/2
8. C4 Q. What is the **easiest** method to monitor whether a horse's energy needs are being met by its feed?  
A. Monitor weight on a regular basis  
S. HIH 820-1 710/2

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9. C1 Q. What is the general term used to describe abdominal discomfort or pain in the horse?
- A. Colic
- S. Evans pg 605, DET pg 61 815/2
10. C2 Q. What is the common name for chronic obstructive pulmonary disease?
- A. Heaves - also accept broken wind
- S. Evans pg 607, Lewis pg 291 830/2
11. C3 Q. What must occur within the first twelve hours of life for the foal to develop an initial resistance to disease by passive transfer of immunity from the mother?
- A. The foal must receive colostrum
- S. HIH 950-2 845/2
12. C4 Q. Sliding plate horse shoes would be found on the rear feet of a horse that was used for what type of competition?
- A. Reining
- S. HIH 515-3 0900/2

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13. C1 Q. Name the breed that was first to establish a breed registry for an American breed of horse in 1891 in Louisville Kentucky and currently has its breed organization located at the Kentucky Horse Park.
- A. American Saddlebred
- S. HIH 156-1                      0200/3
14. C2 Q. What is the difference between a stripe and a blaze marking?
- A. The blaze is wider covering the full width of the nasal bones
- S. Evans pg 82                      0300/1
15. C3 Q. Other than the horse, name two members of the genus Equus.
- A. Ass, Zebra, Przewalski's horse, Onager and Kiang
- S. Evans pg 13 & b449                      0100/3
16. C4 Q. At what stage of growth is hay most easily digested by the horse?
- A. Immature hay, pre-bloom
- S. AYHC-YLM-ADV 337-2 L, Lewis pg 68, HIH 750-2                      700/2

**End One-On-One**

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**Begin Open Questions**

17. Q. What cartilaginous structure protects the entrance to the larynx and trachea from aspiration of food during swallowing?
- A. Epiglottis
- S. Kainer plate 50                      450/3
- 
18. Q. What is the smooth, fast four-beat gait performed by the Tennessee Walking Horse?
- A. Running walk
- S. Evans pg 178                      0600/3
- 
19. Q. What instrument does the veterinarian use to auscult or listen to the horse's heart sounds?
- A. Stethoscope
- S. DET pg 136                      870/1
- 
20. Q. What disease is caused by a spore forming, toxin producing bacterium found commonly in the soil named *Clostridium tetani*?
- A. Tetanus or Lockjaw
- S. AYHC-YLM-BEG 104-2 L, DET pg 265                      890/2

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### Toss Up – Bonus Attached

21. Q. Two part question: How many bones make up the horse's forearm and name them.
- A. 2 bones, the radius and ulna.
- S. Kainer plate 1 and 6. 400/2

### Bonus

22. Q. Bonus question: Give the complete zoological classification of the horse.
- A. Kingdom: Animalia  
Phylum: Chordata  
Class: Mammalia  
Order: Perissodactyla  
Family: Equidae  
Genus: Equus  
Species: Equus Caballus
- S. Evans pg 13 0100/2

### Resume Open Questions

23. Q. In horse racing what distance in miles is 6 furlongs?
- A.  $\frac{3}{4}$  mile
- S. DET pg 116, Evans pg 20. 1040/2
24. Q. What is the name used to describe the cap and blouse worn by the jockey in a race?
- A. Silks
- S. DET pg 245 1040/2

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25. Q. What part of the vertebrae are you feeling when you run your hand down the back of a horse and feel regularly spaced bumps along the midline over the thorax and lumbar area?
- A. Spinous processes of the vertebra
- S. Kainer plate 7                      400/3

**Toss Up – Bonus Attached**

26. Q. About 99% of calcium and 80% of phosphorus in the horse's body is found in what two structures?
- A. Bones and teeth
- S. Lewis pg 20                      750/2

**Bonus**

27. Q. Bonus question: List five qualities of a good pasture?
- A. Free from obstacles and holes  
Good fence  
Good water supply  
Shade  
Good forage  
Companionship  
Adequate space for exercise  
Dry  
Shelter from adverse weather  
No toxic plants in pasture
- S. Lewis pg 103                      1100/2

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### **Resume Open Questions**

28. Q. What structure in the mare is responsible for the production of estrogen and progesterone?
- A. The ovaries
- S. HIH 910-4                      500/2
- 
29. Q. What is the term for the type of vision where the horse sees different images with each eye?
- A. Monocular vision
- S. HIH 1220-1                      420/2

### **Last Question of the Round**

30. Q. What is the name for the conformational defect described as the cannon bone being set too far to the outside of the knee?
- A. Bench or offset knee
- S. HIH 230-3                      600/2