

**2007 NYS 4-H Horse Bowl
Round Seven**

Begin Open Questions

13. Q. What is the reason for putting a 6 inch wide board at the top of a wire fence?
- A. To allow the horse to see the fence better and to prevent damage to the horse and the fence.
- S. HIH 350-3 920/3
14. Q. What driving vehicle is being described – two-wheeled, low, closed body, drawn by a single horse or pony, and its name contains the name of another four legged friend of man?
- A. Dogcart
- S. DET pg 83 1050/3
15. Q. Drainage of a potential site should allow water to drain away from buildings, rings, and training areas. To prevent muddy conditions or erosion, what should the slope of the land be?
- A. Two to six percent
- S. HIH 3201-2 920/4
16. Q. In equine competition, what is a kur?
- A. A musical freestyle ride in dressage
- S. DET pg 162 1010/3
17. Q. What term would be used to describe a horse that is cantering on different leads front and rear?
- A. Disunited (also accept cross firing or cross canter)

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S. DET pg 82 640/4

Toss Up – Bonus Attached

18 Q. (Two Part) The meninges are three membranes covering what two structures?

A. Brain and spinal cord

S. Kainer Plate 81 420-3

Bonus Question

19 Q. (Bonus Question) Name or describe three sites where you can take the pulse of your horse.

A. Facial artery – ventral border of the mandible – shallow groove on the lower border of the jaw behind the last cheek tooth
Transverse facial artery – behind and below the eye, just below the zygomatic arch
Lateral dorsal metatarsal artery – hind limb, outside, in groove between the cannon bone and splint bone
Digital arteries – laterally and medially along deep flexor tendon at the pastern – back of the fetlock joint
Median artery - Inside the elbow of the foreleg
(Do not accept tail artery – can find no references-used for bovine only)

S. Kainer plate 62 440/4

Resume Open Questions

20 Q. What is the racing term used for administering an illegal drug to a horse to increase or decrease its speed or performance?

A. Doping

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- S. DET pg 84 1040/3
- 21 Q. As the digestibility of a feed increases, water consumption is decreased. Why?
- A. The amount of water excreted in feces is decreased.
- S. Lewis pg 4 700/4
- 22 Q. (Two Part) Name two areas to which a non-leverage bit like the snaffle applies pressure.
- A. Corners of the mouth, tongue, and bars. (Also accept roof of the mouth)
- S. HIH 1100-8 1000/3
- 23 Q. Ingestion of wild onions, red maple leaves, or moldy sweet clover can result in what problem?
- A. Anemia
- S. Lewis pg 330 770/4

Toss Up – Bonus Attached

- 24 Q. (Two Part) What are the two most effective stimuli that can be used in horse training?
- A. Hearing – voice commands
Touch – pressure – bit, legs, seat etc
- S. HIH 1240-2 910/4

Bonus

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- 25 Q. (Bonus question) What are three major problems with wooden floors?
- A. Slippery when wet
Prone to attracting rodents by creating an environment for urine to accumulate and feed to fall through the cracks.
Splinters
Difficult to disinfect
Need to be periodically replaced
- S. HIH 320-3 920/3

Resume Open Questions

- 26 Q. Of the six basic classes of nutrients – water, protein, carbohydrates, fat, mineral and vitamins – which one of these has only one purpose - being required for body metabolism?
- A. Vitamins
- S. Lewis pg 3 740/3
- 27 Q. Harsh shampoos can create a dry skin. What else does a harsh shampoo make the skin more susceptible to?
- A. More susceptible to microbial (bacterial and fungal) and parasite problems. (Accept either as a correct answer)
- S. Lewis pg 180 860/4
- 28 Q. Why is the phenotype of the horse not always representative of the horse's genotype?
- A. The effects of recessive genes may not be expressed in the phenotype (Also accept environmental factors)
- S. HIH 1060-2 550/4

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- 29 Q. What is the characteristic feature of “polo” shoes that gives them better traction and enables the foot to roll over faster?
- A. The inside rim of the web is raised higher than the outside edge
- S. Evans pg 737 900/4

Last Question of the Round

- 30 Q. Why is properly composted manure and bedding safe to spread on pastures without worry about the spread of parasites, pathogenic bacteria, or weed seeds?
- A. Composted manure will reach a temperature that will destroy these problems.
- S. HIH 360-3 920/5