

**2010 New York State Senior 4-H Horse Bowl
Round 8**

One-On-One

1. C1 Q. In feeding management, what is the wicking effect?
A. Uptake of ground moisture into a bale of hay
S. HIH 710-5 700/4
2. C2 Q. What was the original name for the American Saddlebred horse?
A. The Kentucky Saddler
S. Evans p. 39 200/4
3. C3 Q. What mammal has been implicated as the reservoir or definitive host for the protozoa, *sarcocystis neurona*?
A. Opossum
S. ES p. 174; HIH 670-1 830/4
4. C4 Q. What breed of horse has the highest incidence of twin pregnancies?
A. Thoroughbred
S. Lewis p. 240 510/4

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5. C1 Q. When referring to chestnut horses, what is a ruano?
A. A red colored horse with lighter points or a flaxen mane and tail
S. ES p. 41 300/4
6. C2 Q. The shoulder joint is unusual because it lacks any heavy ligaments to help stabilize the joint. What type of anatomic structure provides stability for the shoulder joint?
A. Muscles in the shoulder
S. Kainer plate 14 410/3
7. C3 Q. What is the scientific term used to describe when body cells split in half?
A. Mitosis
S. ES p. 88 550/4
8. C4 Q. What is a chukka or chukker?
A. The 7 ½ or 8 minute period of play in a polo match
S. DET p. 56 1070/4

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9. C1 Q. What would be the result of an improperly inserted stomach tube that strikes the ethmoid bone?
- A. Severe bleeding
- S. Evans p. 107 400/5
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10. C2 Q. You are evaluating a 5 year old **gelding** for purchase and note that the left testicle is slightly larger than the right testicle. Is this a concern?
- A. Yes – a gelding should have no testicles. If this was a stallion this would be considered a normal variation
- S. Kainer plate 74 520/3
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11. C3 Q. What is the purpose of a pillion or an Anquera on a saddle?
- A. Attaches to the back of a saddle and enables a passenger to accompany the rider (also called a “rumble seat” or “mother-in-law’s seat”)
- S. DET p. 12, 212 1000/5
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12. C4 Q. What is the common name for leukoencephalomalacia?
- A. Moldy corn disease
- S. Lewis p. 357 830/4

End One-On-One

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Begin Open Questions

13. Q. What is the common name for the parasite *Dictyocaulus arnfieldi*?
- A. Lungworm
- S. Lewis p. 159 835/5
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14. Q. What is the term for the gene action when the genes at one locus affect the expression of genes at another locus?
- A. Epistasis (do not accept epistaxis which is a nosebleed)
- S. Evans p. 465 550/4
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15. Q. What is the anatomical term for the largest nerve in the horse's body?
- A. Sciatic nerve
- S. Evans p. 705 420/4
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16. Q. Approximately how much blood does a 1000 pound adult horse have?
- A. 13.2 gallons or 50 liters (accept 13 gallons)
- S. YLM B119-2L 440/4

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20. Q. What is a “FLT” insurance policy?
- A. A policy that covers injury or death that results from fire, lightening or transportation
- S. HIH 1340-1 920/4
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21. Q. What is the main artery in the thoracic limbs of the horse?
- A. Axillary artery
- S. Evans p. 706 440/4
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22. Q. What is the common name for Equine Monocytic Ehrlichiosis?
- A. Potomac Horse Fever
- S. Lewis p. 174 835/4
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23. Q. What are **two** physiological functions that will increase the requirement for salt in the horse’s diet?
- A. Sweating and lactation
- S. Evans p. 236; Lewis pp. 25-26 750/4

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Toss Up – Bonus Attached

24. Q. Identify **two** symptoms that would indicate that a foal has a gastric ulcer.

A. Colic	Grinding of teeth
Depression	Laying on their back
Diarrhea	Salivation
Off feed	

S. Evans p. 191 830/4

Bonus Question

25. Q. The sense of taste in the horse is similar to that of humans. What **four** tastes is the horse capable of sensing?

A. Bitter, sweet, salt and sour

S. ES p. 67 825/4

Resume Open Questions

26. Q. What is the minimum ceiling height for a breeding shed?

A. Minimum of 12 to 15 feet high (accept anything within this range)

S. Evans p. 781 920/3

27. Q. Name **three** types of energy producing nutrients fed to horses.

A. Carbohydrates (starches, sugar, fiber or cellulose), fats and protein

S. ES p. 115 710/5

