

**2007 Jr. NYS 4-H Horse Bowl
Round 5**

One-on-One

- 1 Q. Why is it important for the foal to receive colostrum?

 A. Colostrum contains important antibodies which cannot cross the placenta during pregnancy.

 S. EV PG 197

- 2 Q. What is the function of a ligament?

 A. Attaches bone to bone

 S. NHEC PG 168

- 3 Q. Describe the foxtrot gait.

 A. Diagonal pairs of legs leaving the ground (like trot) but the hind foot comes down after the front foot and it slides a bit when it hits the ground.

 S. EV Pg 42

- 4 Q. What are two forms of damage that Bot fly larvae can do to horses?

 A. Irritate mouth tissues, block food passage, irritate stomach lining, cause colic, perforate stomach or intestinal wall, cause stomach rupture, cause peritonitis.

 S. AYHC Pg 415-5

- 5 Q. What is latigo?

 A. A strap that fastens the cinch to a western saddle.

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- S. NHEC Pg 164
- 6 Q. In reference to riding, what is another term to rise to the trot?
A. Posting
S. DET Pg 235 900
- 7 Q. Sebum is a fatty secretion from certain glands of the skin. Name one purpose of the is secretion.
A. causes the hair to lie flat, gives the coat a shine (healthy coat)
S. Lewis Pg 179, DET Pg 241 460
- 8 Q. What job do tendons do?
A. They attach muscles to bone.
S. NHEC Pg 264
- 9 Q. What is the normal position of the foal, in the birth canal, just before birth?
A. Forelegs extended, head and neck resting on them.
S. EV Pg 422
- 10 Q. What 2 things cause normal heart sounds?
A. Blood rushing and heart valves closing.
S. KAI Pg 58

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- 11 Q. Name the 2 varieties of Paso horses.
- A. Peruvian Paso, Paso Fino
- S. EV Pg 43
- 12 Q. To qualify for American Miniature Horse Registry, the equine must measure less than what height?
- A. 34 inches
- EV Pg 67

End One-on-One

Begin Open Questions

- 13 Q. How does washing over Bot egg cases with warm water help prevent internal Bot infestation?
- A. It causes the eggs to hatch and the larvae die of exposure.
- S. AYHC Pg 415-5
- 14 Q. Are red maple leaves more toxic when fresh or when wilted and dried?
- A. Wilted and dried (toxic up to 30 days once dried)
- S. Lewis Pg 331 770
- 15 Q. The heart bar shoe is used to transfer weight from the wall of the hoof to what other part of the hoof?
- A. The frog

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- S. YLM Pg 231-3 900
- 16 Q. What is a name used to describe small pastures or turnout areas?
A. Paddock
- S. HIH Pg 350-1 920
- 17 Q. Name the 4 sections of the large intestine.
A. Cecum Colon
 Rectum Canal (not anus)
- S. NHEC Pg 164

Toss Up – Bonus Attached

- 18 Q. What is one of the primary hormones the horse's adrenal gland releases?
A. Epinephrine (adrenaline), cortisol (corticoids or corticosteroids)
- S. EV Pg 127

Bonus Question

- 19 Q. (Bonus Question) In the series of functions from Gross Energy to Net Energy in a horse, energy is lost through a variety of processes. Name 2 of the 4 sources of loss.
A. Feces, urine, gases, and metabolization of food (process of digestion and absorption).
- S. Lewis Pg 9 710-3

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Resume Open Questions

- 20 Q. What is the most difficult part of the foal's body for the mare to pass?
- A. The shoulders.
- S. EV Pg 422
- 21 Q. What artery carries blood to the head?
- A. Carotid artery.
- S. KAI Pg 61
- 22 Q. Describe the Paso gait.
- A. A broken pace where lateral pairs of legs move but the hind foot hits the ground first (before the front foot.)
- S. EV Pg 43
- 23 Q. What are two signs of louse infestation?
- A. Scruffy skin, unkempt coat, excessive rubbing/scratching, bare patches of skin.
- S. AYHC pg 415-6

Toss Up – Bonus Attached

- 24 Q. Colic and diarrhea occur from the action of plant toxins on two body systems in the horse. Name one.
- A. Nervous, digestive.
- S. Lewis Pg 302 770/4

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Bonus Question

- 25 Q. (Bonus question) In evaluating a site for an equine facility, the natural environment needs to be assessed. Name four natural environmental factors you would have to consider to be successful.
- A. Topography of the land – i.e. slope
Drainage – both above and below ground
Prevailing winds
Solar radiation
Precipitation (Do not accept cost or any other non-environmental factor)
Vegetation
Soil characteristics
- S. YLM Pg 333-1, HIH Pg 310-1 920-4

Resume Open Questions

- 26 Q. What is the term for the narrow strip below a horse's coronary band and produces the varnish-like substance that covers the outer surface of the wall and seals it from excess drying?
- A. The periople
- S. DET Pg 208 400
- 27 Q. What is the name of the bone in the horse known as the shoulder blade?
- A. Scapula
- S. DET Pg 240 600
- 28 Q. What is the informal name of the duct that connects the eye and the nostril?

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A. Tear duct (also known as the nasolacrimal duct)

S. KAI Pg 45

29 Q. Name two signs of difficult foaling.

A. Only one foreleg showing to the knee; two forelegs but no head showing; head showing but no forelegs; prolonged labor but no foal visible.

Last Question of the Round

30 Q. What is the movement we feel when we feel for a pulse?

A. The expansion of the artery (also accept: the surge of blood through the artery)

S. KAI Pg 62