

**2016 Senior 4-H Horse Quiz Bowl
Round 1**

One-On-One

1. Chair 1: What is the name of the person who looks after the horses on a trail ride?

A: Wrangler (DET 295)

2. Chair 2: What specific organ receives oxygenated blood from the left gastric artery?

A: Stomach (Kainer plate 60)

3. Chair 3: In general, the terms ankle, pastern, zebra stripes, and distal spots share what common characteristic?

A: Types of leg markings (DET 11, 205, 298)

4. Chair 4: What kind of hitch is described by two pairs with one in front of the other?

A: A four-in-hand hitch (DET 114)

5. Chair 1: What is the common term for the behavior referred to as dominance hierarchy?

A: Pecking order (Evans 677)

6. Chair 2: What specific type of internal parasite is dependent on house flies or stable flies to complete part of its life cycle, and causes summer sores?

A: Stomach worm (Habronema) (Lewis 167)

7. Chair 3: What type of shoe modification is used primarily to take the stress off the nails and stabilize the shoe?

A: Clips (HIH 515-2)

8. Chair 4: Who was the foundation sire for the American Albino breed?

A: Old King (Evans 23)

Read: We are now moving on to the toss-up questions, and anyone can answer.

Toss-Up Questions

9. What are two functions of the LH (Luteinizing Hormone) in the mare?

A: Maturation of the Graafian follicle; Ovulation; Formation of the corpus luteum (Kainer Plate 71)

10. Anaerobic energy production would result in an increase in muscle soreness due to accumulation of what substance in the blood?

A: Lactic acid (Lewis 380)

Bonus Question:

List three observations that would indicate you should **NOT** walk a horse with colic.

A: Pulse rate higher than 55 beats per minute; Pulse rate that continues to increase; Rare or no gut sounds; Depressed or irrational behavior; Clammy (sweaty) ears and extremities (HIH 4351-4)

11. What term refers to the rasp that is used to file a horse's teeth?
A: Float (DET 110)
12. What is the main physiological function of thrombocytes?
A: Blood clotting (DET 267)
13. A "red bag delivery" is most commonly observed in mares that have been grazed on what type of pasture?
A: Fescue (HIH 940-4)
14. What would be the result of crossing a zebra and a horse?
A: Zebrass (also accept zorse or zebroid) (DET 298)
15. What is the anatomical name for the bone that forms the point of the hock?
A: Calcaneous (Kainer Plate 30)

Bonus Question

List three physiological functions of the skin that would affect regulation of the body temperature.

A: Changes in blood flow; Erection of hairs; Sweating (Kainer Plate 5)

16. In general, what does the prefix "peri" describe?
A: Around (DET 208-209)
17. What does the term aspermia describe?
A: Failure of formation or emission of sperm (accept any answer that indicates lack of sperm) (DET 16)
18. Death from ingestion of Yellow Star Thistle is primarily due to loss of what physiological function?
A: Loss of ability to ingest or chew (Lewis 318)
19. What bit may be used as a snaffle or a curb bit and is commonly used on heavy harness or plow horses?
A: Liverpool bit (DET 170)
20. What stallion is considered to be the foundation sire of the American Saddlebred breed?
A: Denmark (Evans 38)