

2006 Iowa Junior 4-H Horse Bowl Round One

One-On-One

- 1 -1 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
- 2-2 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
- 3-3 Q: What are the 2 basic classifications of forages?
- A: Legumes & grasses
- S: **AYHC** 760-1
- 4-4 Q: What are the large roundworms that primarily affect foals & young growing horses?
- A: Ascarids (parascaris equorum)
- S: **AYHC** 430-1
- 5-1 Q: Horses that toe in will move with what type of arc?
- A: Wide outward arc
- S: **AYHC** 230-5

**2006 Iowa Junior 4-H Horse Bowl
Round One**

6-2. Q: What is the function of the brow band?

 A: Designed to keep the crown piece from sliding down the horse's neck

 S: **AYHC 1100-6**

7-3 Q: Name the piece of safety equipment used on horse trailers, to prevent the horse from backing out if the door is open.

 A: Butt bar or butt chain

 S: **AYHC 1155-3**

8-4 Q: What type of wound has clean straight edges & often bleeds quite freely?

 A: Incised wound (Incision)

 S: **AYHC 440-1**

End One-On-One

Begin Open Questions

9 Q: What are 2 types of sliding doors?

 A: Full wooden, half wood & half bars, full mesh

 S: **AYHC 320-6**

10. Q: What are the 2 types of cheek teeth?

 A: Molars & premolars

 S: **AYHC 240-2**

2006 Iowa Junior 4-H Horse Bowl Round One

Toss Up – Bonus Attached

11. Q: What is an ossification of the lateral cartilage resulting from injuries that cause calcium to accumulate & harden?

A: Sidebones

S: **AYHC 230-4**

Bonus Question

12. Q: What is the life cycle of a fly?

A: Egg, larvae, pupa & adult

S: **AYHC 415-1**

Resume Open Questions

13. Q: Name a non-leverage bit that does not apply pressure to the horse's poll.

A: Snaffle bit (bosal is not acceptable)

S: **AYHC 1100-8**

14. Q: When properly fitted, & the cinch is drawn tight, how much space should lie between the withers & the fork of a western saddle?

A: Enough space to easily insert two fingers

S: **AYHC 1100-3**

15. Q: What term describes a horse whose entire forelimb is too far forward & away from the body?

A: Camped out

S: **AYHC 230-5**

2006 Iowa Junior 4-H Horse Bowl Round One

Toss Up – Bonus Attached

16. Q: Which adult parasite may reach a length of 5 to 22 inches?

A: Ascarids (parascaris equorum)

S: **AYHC 430-1**

Bonus Question

17. Q: Name 4 factors that influence the nutritional requirements of a horse.

A: Size of horse, age, type of use, environment (cold weather increase energy needs), individual horse's metabolic rates

S: **AYHC 120-3**

Resume Open Questions

18. Q: What is the most common vector for transmission of equine encephalomyelitis?

A: Mosquitoes

S: **AYHC 625-1**

19. Q: In the NRHA, each horse competing automatically begins each event with how many points?

A: 70

S: **AYHC 162-1**

Last Question of the Round

20. Q: What ages are the horses competing in the NRHA Derby & NRHA Superstakes?

A: 4 & 5 year olds

S: **AYHC 162-1**

2006 Iowa Junior 4-H Horse Bowl Round Two

One-On-One

1 -1 Q: What piece of equipment is used to remove dead sole from the hard, dry hooves?

A: Sole knife

S: **AYHC 530--2**

2-2 Q: How does the horse use its binocular vision?

A: To judge or see distance objects

S: **AYHC 1220-1**

3-3 Q: Where are the horse's blind spots?

A: Behind its hindquarters & below his head

S: **AYHC 1220-1**

4-4 Q: What term applies to a horse that belongs to a specific breed & has 'papers' to document its ancestors?

A: Registered horse

S: **AYHC 110-5 L**

5-1 Q: What is the horse's primary behavioral characteristic of self protection?

A: Flight

S: **AYHC 320-1**

**2006 Iowa Junior 4-H Horse Bowl
Round Two**

6-2. Q: What is the preferred bedding for a foaling stall?

A: Clean straw

S: **AYHCLM I230**

7-3 Q: Where, specifically, is the external loin or coupling located on the horse?

A: On the back between the last rib & the croup

S: **AYHC 220-6**

8-4 Q: What is the unique feature of a bit with a mouth piece made from copper?

A: Copper increases salivation & makes mouth more responsive to the bit

S: **AYHC 1100**

End One-On-One

Begin Open Questions

9 Q: What is the external opening to the mare's reproductive canal?

A: Vulva

S: **AYHC 910-1**

10. Q: What type of shavings should not be used for bedding because horses can develop founder from it?

A: Black walnut

S: **AYHC 330-1**

2006 Iowa Junior 4-H Horse Bowl Round Two

Toss Up – Bonus Attached

11. Q: Name 3 benefits of therapeutic riding on an individual with a disability.

A: Improved muscle tone, posture, coordination, motor coordination, motor development, emotional & psychological well being

S: **AYHC 176-1f**

Bonus Question

12. Q: Name 5 structural deviations of the front legs.

A: Knock-kneed (close knees), bench knees (offset), bowlegged, base wide, base narrow, pigeon toed, splayfooted

S: **AYHC 230-2**

Resume Open Questions

13. Q: What piece of equipment is used to shape & make shoes?

A: Rounding or turning hammer

S: **AYHC 530-4**

14. Q: What piece of equipment is used to make a level bearing surface after the hoof has been trimmed & to dress a distorted or flaring foot?

A: Rasp

S: **AYHC 530-2**

15. Q: What is the term for a convex appearance from the eye to the muzzle?

A: Roman nose

S: **AYHC 220-4**

2006 Iowa Junior 4-H Horse Bowl Round Two

Toss Up – Bonus Attached

16. Q: Name 3 minerals found in trace mineral salt.

A: Sodium chloride, iodine, copper, manganese, cobalt, zinc & iron

S: **AYHC 760-1**

Bonus Question

17. Q: How do you know if a bit is a snaffle, curb or hackamore?

A: Snaffle has direct pull from the bit, curb has leverage from the bit, hackamore has no bar for the mouth & reins are attached to the shanks

S: **AYHC 1100**

Resume Open Questions

18. Q: What is the recommended floor covering for a horse trailer?

A: Rubber mats

S: **AYHC 1155**

19. Q: Why should you wrap trees in a horse pasture with old fence wire?

A: So horses don't chew the bark off the trees & kill them

S: **AYHC 710-8**

Last Question of the Round

20. Q: What is the unique feature of the 'happy mouth' bit?

A: It has a soft rubber, apple flavored mouthpiece

S: **AYHC 1100**

2006 Iowa Junior 4-H Horse Bowl Round Three

One-On-One

- 1 -1 Q: What is the main function of a headstall?
- A: To hold the bit evenly & comfortably in the horse's mouth
- S: **AYHC 1100**
- 2-2 Q: Name the structure found in the horse's foot that is responsible for absorbing the shock of its stride.
- A: Frog
- S: **AYHC 505-4**
- 3-3 Q: What is the recommended width of a horse stall door?
- A: Minimum of four feet wide
- S: **AYHC 320-6**
- 4-4 Q: Which breed contains animals of both horse & pony sizes?
- A: Hackney
- S: **AYHC 770-2**
- 5-1 Q: Name 2 coat colors that must have a dorsal stripe.
- A: Dun & grulla (buckskin is not acceptable)
- S: **AYHC 140**

2006 Iowa Junior 4-H Horse Bowl
Round Three

6-2. Q: What piece of equipment is designed for easy removal of driven nails from creased or fullered shoes & can also be used to pull nails from pads on show horses?

A: Crease nail puller

S: **AYHC 530-3**

7-3 Q: Where is the home of the American Quarter Horse Association?

A: Amarillo, Texas

S: **AYHC 153-1**

8-4 Q: What is the main physiological function of red blood cells?

A: Transport oxygen in the blood to the cells

S: **AYHC 830-1**

End One-On-One

Begin Open Questions

9 Q: What is the most economical source of supplemental protein?

A: Soybean meal

S: **AYHC 760-7**

10. Q: What acts as a fulcrum point to redirect the pull of the deep flexor tendon against the coffin bone as the horse moves forward?

A: Navicular bone (distal sesamoid)

S: **AYHC 540-3**

**2006 Iowa Junior 4-H Horse Bowl
Round Three**

Toss Up – Bonus Attached

11. Q: How many cheek teeth does an adult horse have?

A: 24

S: **AYHC 405-1 L**

Bonus Question

12. Q: What are 4 signs aging in a horse?

A: Drooping lower lip, sway back, deep hollows above eyes, graying hair, changes in teeth

S: **AYHC 450-1**

Resume Open Questions

13. Q: What is the main physiological function of white blood cells?

A: Help immune system by defending against foreign cells such as bacteria

S: **AYHC 830-1**

14. Q: The short estrus period soon after foaling is called what?

A: Foal heat

S: **AYHC 940-5**

15. Q: What is the term for a mare that is nursing a foal?

A: Wet mare

S: **AYHC 940-1**

2006 Iowa Junior 4-H Horse Bowl Round Three

Toss Up – Bonus Attached

16. Q: What are the 3 most genetically common colors of horses?

A: Bay, black & chestnut

S: **AYHC 1040-**

Bonus Question

17. Q: Name the accessory organs that aid in digestion.

A: Teeth, salivary glands, liver & pancreas

S: **AYHC 710-1**

Resume Open Questions

18. Q: What part of alfalfa provides the most nutrition?

A: Its leaves

S: **AYHC 710-5**

19. Q: Which sex of the horse fly bites the horse?

A: Female

S: **AYHC 415-2**

Last Question of the Round

20. Q: What are oat groats?

A: Oats with the hulls removed

S: **AYHC 760-61**

2006 Iowa Junior 4-H Horse Bowl Round Four

One-On-One

- 1 -1 Q: What is the term for the hoof & all of its contents?

 A: Foot

 S: **AYHC 525-1**
- 2-2 Q: What breed association was the first to be founded in the United States?

 A: American Saddlebred Horse Association

 S: **AYHC 156-1**
- 3-3 Q: What coat color is golden yellow with a mane & tail that is white with no dorsal stripe?

 A: Palomino

 S: **AYHC 140-1**
- 4-4 Q: What provides the main propulsive force for forward movement?

 A: Hindlegs

 S: **AYHC 714**
- 5-1 Q: What is more critical: heat exhaustion or heat stroke?

 A: Heat stroke

 S: **AYHC 410-1**
- 6-2. Q: What is an extension backward of the flexor tendons caused by tearing or stretching?

 A: Bowed tendons

 S: **AYHC 230-4**

**2006 Iowa Junior 4-H Horse Bowl
Round Four**

7-3 Q: What class of nutrients do thiamine, riboflavin & folic acid belong to?

A: Vitamins

S: **AYHC** 760-10

8-4 Q: What is the proper name for the 'bump' in the middle of the mouthpiece on a curb bit?

A: Port

S: **AYHCLM** B108-

End One-On-One

Begin Open Questions

9 Q: About 65% of the digestive capacity of the horse is where?

A: Cecum & colon (lower gut)

S: **AYHC** 750-1

10. Q: What is the proper name for the cleft of the frog in the horse's foot?

A: Central sulcus of the frog

S: **AYHC** 525-1

Toss Up – Bonus Attached

11. Q: Name 2 ways that barley & milo should be processed before using them in a horse feed.

A: Crimped or rolled (milo can also be ground)

S: **AYHC** 760-6

2006 Iowa Junior 4-H Horse Bowl Round Four

Bonus Question

12. Q: Name 4 ways to identify a permanent tooth from a temporary one.

A: Permanent teeth are larger & longer, have broader neck area between the root & the crown, parallel grooves & ridges on face of incisors, are darker in color & are flatter

S: **AYHC 240-2**

Resume Open Questions

13. Q: What are foals called that suffer from Neonatal maladjustment syndrome?

A: Dummy or convulsive foals, Barker, Wanderer

S: **AYHC 950-8**

14. Q: Colostrum contains a high level of immunoglobulins, why are these important to the foal?

A: Foals are born with no protection from diseases, immunoglobulins are antibodies to protect the foal against disease

S: **AYHC 940-3**

15. Q: What are the 2 classifications of amino acids?

A: Essential & Non-essential

S: **AYHC 760-7**

Toss Up – Bonus Attached

16. Q: What nutrients are harder for an older horse to digest?

A: Proteins, phosphorus, fiber

S: **AYHC 450-2**

2006 Iowa Junior 4-H Horse Bowl Round Four

Bonus Question

17. Q: Name 4 purposes of a saddle blanket.

A: Protect horse's back, absorb sweat & moisture, protect the saddle, helps saddle fit better

S: **AYHCLM A301**

Resume Open Questions

18. Q: How long is the life cycle of a mosquito?

A: 10 - 14 days

S: **AYHC 415-2**

19. Q: In what 3 areas are muscling most likely to be developed in a heavily muscled horse?

A: Forearm, gaskin, rear quarters

S: **AYHC 220-**

Last Question of the Round

20. Q: What term refers to a pastern that has too much slope?

A: Coon footed

S: **AYHC 220-6**

2006 Iowa Junior 4-H Horse Bowl Round Five

One-On-One

- 1 -1 Q: What is the largest bone in the head of the horse?
- A: Mandible
- S: HIH 230-2
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- 2-2 Q: Which breed of horse is noted for its color patterns of snowflake, leopard & white blanket on the rump and was developed by the Nez Perce Indians?
- A: Appaloosa
- S: **AYHC** 158-1
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- 3-3 Q: In reference to an English saddle, what is the gullet?
- A: Channel that runs down the center of the under side of the saddle between the bars of the tree
- S: **AYHC** 1100-2
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- 4-4 Q: What is the purpose of an anti-sweat sheet?
- A: Helps wick moisture away from the horse's body after a heavy workout. Speeds up the cooling process through evaporation
- S: **AYHC** 1100-12
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- 5-1 Q: How often should water be offered to a horse when trailering it for long distances?
- A: Every 3 - 4 hours
- S: **AYHC** 1150-2

**2006 Iowa Junior 4-H Horse Bowl
Round Five**

6-2. Q: Steep pasterns will cause what type of stride?

A: Choppy & rough

S: **AYHC** 230-6

7-3 Q: Which form of dun has a body color that is yellowish or flesh-colored with a mane, tail & dorsal stripe that are red?

A: Red dun

S: **AYHC** 140-2

8-4 Q: What is the proper function of the curb strap or chain on the horse's bridle?

A: Prevent injury to the roof of the horse's mouth when too much pressure is applied on the reins

S: **AYHC** 1100-10

End One-On-One

Begin Open Questions

9 Q: What factor is just as important in a horse trailer as it is when building a barn?

A: Proper ventilation

S: **AYHC** 1155-3

10. Q: Name 2 types of lighting fixtures commonly found in the stable area.

A: Incandescent bulbs, fluorescent tubes

S: **AYHC** 320-7

2006 Iowa Junior 4-H Horse Bowl Round Five

Toss Up – Bonus Attached

11. Q: What is the purpose of the panniers?
A: To carry gear, food or equipment on a pack horse
S: **AYHC 1123-3**

Bonus Question

12. Q: Name 2 items used to protect the horse while it is being trailered.
A: Leg wraps, head bumper, hobbles, tail wrap
S: **AYHC 1150-3**

Resume Open Questions

13. Q: What is the preferred source of nitrogen fertilizer for grass pastures?
A: Ammonium nitrate
S: **AYHC 730-4**
14. Q: What does the all purpose saddle, close contact saddle & a dressage saddle all have in common?
A: They are all forward seat saddles
S: **AYHC 1100-1**
15. Q: What is a device that utilizes rollers behind a cutter bar to crush hay to permit more rapid drying when baling hay?
A: Hay conditioner
S: **AYHC 760-4**

2006 Iowa Junior 4-H Horse Bowl Round Five

Toss Up – Bonus Attached

16. Q: What are the 2 most important dietary energy components in feeds?

A: Fats & carbohydrates

S: **AYHC 820-1**

Bonus Question

17. Q: Name 3 types of pads used when shoeing a horse.

A: Leather, plastic, hospital plate, combination of leather & plastic

S: **AYHC 515-5**

Resume Open Questions

18. Q: What type of shoe is used to elevate the heels of a horse that is confined to stall rest?

A: Patten shoe

S: **AYHC 515-5**

19. Q: Name a way feed might be processed to aid in digestion for older horses or horses with poor teeth.

A: Ground, crimped or pelleted

S: **AYHC 450-3**

Last Question of the Round

20. Q: Do most grains have more calcium or phosphorus?

A: 6 - 8 times more phosphorus

S: **AYHC 790-5**

2006 Iowa Junior 4-H Horse Bowl Round Six

One-On-One

- 1 -1 Q: What is a bony enlargement surrounding the bones of the pastern?

 A: Ringbone

 S: **AYHC** 230-4
- 2-2 Q: What are the 2 most important factors in the selection of a horse trailer?

 A: Comfort & safety

 S: **AYHC** 1155-2
- 3-3 Q: How much water will a 1,000 pound horse drink per day?

 A: 10- 12 gallons per day

 S: **AYHC** 710-2
- 4-4 Q: Sickie hocks predispose a horse to what condition?

 A: Curbs

 S: **AYHC** 230-7
- 5-1 Q: From what 2 points do you measure to determine the size of an English saddle?

 A: From saddle nail to mid-point of the cantle

 S: **AYHC** 1100-3

**2006 Iowa Junior 4-H Horse Bowl
Round Six**

6-2. Q: What factor is determined by the amount of seed heads of grasses & the flowers of legumes that are present at the time of harvest?

A: Stage of maturity

S: **AYHC** 750-2

7-3 Q: What is a bony enlargement in the groove formed by the splint & cannon bone?

A: Splint

S: **AYHC** 230-4

8-4 Q: What is the term for a horse's knees that are behind vertical when viewed from the side?

A: Calf kneed

S: **AYHC** 230-6

End One-On-One

Begin Open Questions

9 Q: What is the minimum ceiling height for a covered or indoor arena?

A: 14 feet

S: **AYHC** 320-7

10. Q: What are 2 types of trailer hitches used on horse trailers?

A: Bumper-pull & gooseneck hitches

S: **AYHC** 1155-1

2006 Iowa Junior 4-H Horse Bowl Round Six

Toss Up – Bonus Attached

11. Q: Name the 2 traditional types of pack saddles.

A: Crossbuck (sawbuck) & Decker

S: **AYHC 1125-1**

Bonus Question

12. Q: Horses that are shown or mixed with other horses during the year, should be given at least what 5 vaccinations?

A: Eastern & Western encephalomyelitis, tetanus, influenza, rhinopneumonitis, Potomac Horse fever

S: **AYHC 1150**

Resume Open Questions

13. Q: Name the horse disease that can be detected in seemingly healthy horses by giving them a Coggins test.

A: Equine Infectious Anemia

S: **AYHC 630-1**

14. Q: What is another name for overshot muzzle?

A: Parrot mouth

S: **AYHC 220-4**

15. Q: What is a general term for a substance that replaces the vital oils in a saddle that are removed by use & cleaning?

A: Leather conditioner

S: **AYHC 1100-14**

**2006 Iowa Junior 4-H Horse Bowl
Round Six**

Toss Up – Bonus Attached

16. Q: Name three (3) types of bedding.

A: Sawdust, woodchips, straw, ground corncobs, shredded paper.

S: HIH -330

Bonus Question

17. Q: Name 4 fat soluble vitamins.

A: A, D, E, K

S: HIH 710

Resume Open Questions

18. Q: What term describes a preventative injection of bacteria or viruses, that have been modified or inactivated, to protect the horse against certain diseases?

A: Vaccination

S: **AYHC** 445-1

19. Q: What type of colic is caused by microbial digestion in the horse's digestive tract producing great quantities of gas & fluid?

A: Excessive fermentation colic

S: **AYHC** 435-2

Last Question of the Round

20. Q: Name the bacterial disease that may cause abscessed lymph nodes under the lower jaw & in the throatlatch region.

A: Strangles (distemper)

S: **AYHC** 615-1

2006 Iowa Junior 4-H Horse Bowl Round Seven

One-On-One

1 -1 Q: When properly fitted, & the cinch is drawn tight, how much space should lie between the withers & the fork of a western saddle?

A: Enough space to easily insert two fingers

S: **AYHC** 1100-3

2-2 Q: To what part of the western saddle does the cinch attach?

A: The latigo strap

S: **AYHC** 1100-4

3-3 Q: Which type of hay should not be fed to horses with kidney problems?

A: Alfalfa

Ref: **AYHC** 450-3

4-4 Q: What is the most common vector for transmission of equine encephalomyelitis?

A: Mosquitoes

S: **AYHC** 625-1

5-1 Q: What would be the ideal ratio of the top to bottom lines of the horse's neck?

A: 2 to 1 with top longer

S: **AYHC** 220-5

2006 Iowa Junior 4-H Horse Bowl Round Seven

6-2. Q: What is the determining factor in the ratio of top to bottom line of the neck?

A: Slope of the shoulder (more sloping shoulder -top line gets longer)

S: **AYHC 220-5**

7-3 Q: What type of reins are generally used by barrel racers & gymkhana riders?

A: Roping reins

S: **AYHC 1100-8**

8-4 Q: How do horses get rabies?

A: Bitten by infected rabid wildlife

S: **AYHC 445**

End One-On-One

Begin Open Questions

9 Q: What is the name for the flexible quirt that is attached to California-style reins?

A: Romal

S: **AYHC 1100-8**

10. Q: What breed is usually affected by Hyperkalemic Periodic Paralysis?

A: Quarter horse

S: **AYHC 1060**

2006 Iowa Junior 4-H Horse Bowl Round Seven

Toss Up – Bonus Attached

11. Q: Which breed of horse is known as the 'horse with the fine walk'?
- A: Paso Fino
- S: **AYHC** 161-1

Bonus Question

12. Q: Describe 4 symptoms of strangles excluding depression & loss of appetite.
- A: Glands in throat area swell, stand with neck stretched out, high temperature (104), lymph nodes under lower jaw form abscesses, thin watery nasal discharge
- S: **AYHC** 615-2

Resume Open Questions

13. Q: Which sex of horse would have a more prominent jaw & more heavily muscled body?
- A: Males
- S: **AYHC** 220-8
14. Q: What hair coat color will have dark eyes & totally pink skin?
- A: White
- S: **AYHC** 1040-3
15. Q: What type of behavior occurs in hoofed animals recognized by a marked lip curling & is often seen in stallions although mares do the same thing?
- A: Flehmen reflex
- S: **AYHC** 425-

2006 Iowa Junior 4-H Horse Bowl Round Seven

Toss Up – Bonus Attached

16. Q: What 2 factors will a judge use to evaluate the barrel of a horse?

A: Spring of ribs & depth of heartgirth

S: **AYHC 220-7**

Bonus Question

17. Q: Describe the 4 basic steps used in a systematic approach to horse judging.

A: Tracking the horse, profile view from the side at a distance, close inspection from the front & rear

S: **AYHC 220-1**

Resume Open Questions

18. Q: What coat color is more or less a uniform mixture of white with black hairs on the body, but usually darker on the head & lower legs?

A: Blue roan

S: **AYHC 140-1**

19. Q: What is the recommended floor covering for a horse trailer?

A: Rubber mats

S: **AYHC 1155-2**

Last Question of the Round

20. Q: What term refers to a horse that stands closer at the ground than at the origin of the legs in the chest?

A: Base narrow

S: **AYHC 230-2**