

2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

Round 1

BEGIN ONE-ON-ONE

1. Cat. 900 Q. Aluminum shoes are most commonly used in what equine sport?
 A. Race horses
 S. Evans, p. 732

2. Cat. 400 Q. What is the proper name for a horse's front teeth?
 A. Incisors
 S. AYHCLM, p. I 205-1L

3. Cat. 900 Q. What type of shavings range in color from coffee-brown to purplish-black?
 A. Black Walnut
 S. FCH, p. 322

4. Cat. 100 Q. On what continent did Equus originate?
 A. North America
 S. Evans, p. 4

ROUND 1
PAGE 2

5. Cat. 800 Q. Which part of the horse's body do stable flies prefer to feed on?
A. On the horse's legs, with the largest number on the lower legs and flanks.
S. AYHCLM, p. A 300-1L & Evans, p. 642
6. Cat. 1000 Q. What is the general purpose of a safety stirrup?
A. It allows for easier release of the foot should the rider fall off.
S. HHH, p. 1100-2
7. Cat. 500 Q. What is the term for the "specialized building" where mares are bred?
A. Breeding Shed
S. Evans, p. 781
8. Cat. 900 Q. What is the term used for a kick that is forward and sideward?
A. Cow-kick
S. Evans, p. 182

ROUND 1
PAGE 3

9. Cat. 700 Q. In reference to feed processing, what is the term for grain that passes through rollers with corrugated surfaces?
- A. Crimped
- S. AYHCLM, p. I 202-2L
10. Cat. 600 Q. What is the term for an excessively thick crest that lops to the side?
- A. Broken crest, Lop neck
- S. Evans, p. 145
11. Cat. 700 Q. Name five of the main nutrients needed by the horse.
- A. Minerals, Vitamins, Energy (carbohydrates; lipids/fat), Protein, Water
- S. AYHCLM, p. B 109-2L
12. Cat. 1000 Q. What is the English version of a tie-down?
- A. Standing Martingale
- S. AYHCLM, p. B 108-3L

END ONE-ON-ONE

ROUND 1
PAGE 4

BEGIN OPEN QUESTIONS

13. Cat. 600 Q. Describe a horse with lop-ears.
A. The horse's ears are positioned on the side of the head pointing outward.
S. HIH, p. 220-3
14. Cat. 400 Q. What separates the sole from the hoof wall?
A. The white line
S. Evans, p. 684

TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 900 Q. Name two places where a gate should not be placed in a paddock.
A. Corner of a fence-line Area of unsuitable terrain/footing
Low or Wet Areas
S. Evans, p. 770

BONUS QUESTION

16. B-400 Q. Name six parts of the foot.
A. Apex of the Frog Periople
Bar Point of the Frog
Bulb Quarter
Buttress Seat of the Corn
Cleft of the Frog Sole
Commissure/Collateral Groove Toe
Coronet Wall
Frog White Line
Heel
S. HIH, p. 535-2 & CAHA, p. 24

ROUND 1
PAGE 5

RESUME OPEN QUESTIONS

17. Cat. 800 Q. What is the most common and mildest type of colic in horses?
A. Spasmodic Colic or Flatulent (gas) Colic
S. AYHCLM, p. I 228-1L
18. Cat. 600 Q. Starting at the base of the neck, name the (4) parts of the horse's topline.
A. Withers, Back, Loin/Coupling, Croup
S. AYHCLM, p. I 223-2L
19. Cat. 200 Q. Cosmetically speaking, how does the Suffolk differ from the other two British breeds of draft horse?
A. The Suffolk has no feathers on its legs
S. Evans, p. 73

TOSS-UP QUESTION – BONUS ATTACHED

20. Cat. 400 Q. Spasmodic muscle contractions during cold weather is referred to as what?
A. Shivering
S. Evans, p. 104

ROUND 1
PAGE 6

BONUS QUESTION

21. B-100 Q. Explain the difference between harness racing and flat racing, and name two breeds that would participate in each sanctioned racing meet for their respective type.
- A. Harness racing = Standardbred, Trottingbred Pony, Russian Trotter, Orlov Trotter
Flat Racing = Thoroughbred, Quarter Horse, Appaloosa, Paint, Arabian
- S. Evans, p. 72

RESUME OPEN QUESTIONS

22. Cat. 500 Q. When a mare ovulates, but fails to show behavioral signs of estrus, this is referred to as what?
- A. Silent Heat
- S. Evans, p. 327 & FCH, p. 235
23. Cat. 800 Q. Athlete's foot is comparable to what condition in the horse?
- A. Thrush
- S. HHH, p. 540-1
24. Cat. 300 Q. Describe a piebald pinto pony.
- A. The coat color is black with white patches.
- S. Evans, p. 46

ROUND 1
PAGE 7

25. Cat. 200 Q. What is the term for an animal of unknown breeding or ancestry?
- A. Grade
- S. HHH, p. 110-5

TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 700 Q. Give two reasons why it is safe to feed oats to horses.
- A. High in Fiber Low in Digestible Energy
Low in Density Less Likely to have Molds & Mycotoxins
Less likely to cause Founder or GI problems
- S. FCH, p. 73

BONUS QUESTION

27. B-900 Q. List four considerations when choosing a vehicle to pull a horse trailer.
- A. Braking System Electrical System
Engine Size Size of Vehicle
Towing Capacity Type of Hitch or Ball Size
Cooling System Cost
Type, Length & Weight of Trailer to Be Pulled
Weight Capacity of Vehicle (i.e. ½ ton, ¾ ton, 1 ton, etc.)
- S. AYHCLM, p. A 301-1L

RESUME OPEN QUESTIONS

28. Cat. 100 Q. What ability of the horse ha the greatest significance in building civilization?
- A. The ability of the horse to serve as a draft animal for work and transportation (carrying and pulling loads)
- S. Evans, p. 6

ROUND 1
PAGE 8

29. Cat. 900 Q. The placement of several large, round rocks in a horse's feed tub helps to decrease in incidence of what vice?
- A. Bolting
- S. Evans, p. 183 & FCH, p. 94
30. Cat. 600 Q. What is the term for the structure that protects the vital organs?
- A. Skeleton
- S. AYHCLM, p. A 323-3L & CAHA, p. 6
31. Cat. 100 Q. What is the term for animals that live from eating, or prefer to eat plant materials?
- A. Herbivores
- S. FCH, p. 392

LAST QUESTION IN MATCH

32. Cat. 800 Q. "Bucked shins" affect which bone of the horse?
- A. Cannon bones
- S. FCH, p. 271

END ROUND ONE

2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

Round 2

BEGIN ONE-ON-ONE

1. Cat. 400 Q. At what age does the Galvaynes Groove appear?

 A. At 10 years of age

 S. AYHCLM, p. 105-2L

2. Cat. 300 Q. Which leg marking is white from the coronet to the middle of the cannon?

 A. Sock or Half-stocking

 S. Evans, p. 83

3. Cat. 900 Q. What behavior is often displayed when two strange horse stand nose-to-nose?

 A. Striking & verbal sounds such as grunt, squeal or roar

 S. Evans, p. 182

4. Cat. 700 Q. Name two characteristics of moldy hay.

 A. musty smell, whitish in color, dusty, unpalatable, moist/damp, hot

 S. FCH, p. 70

ROUND 2
PAGE 2

5. Cat. 600 Q. 2-Part Question: What type of conformation is undesirable in a pack horse and why?
- A. Little or no withers, because this conformation allows the saddle to turn and rub, creating painful sores; withers that are too high; long weak back.
- S. AYHCLM, p. B 118-1L
6. Cat. 200 Q. According to the American Horse Council, which breed of horse is the most popular in the United States?
- A. The Quarter Horse
- S. Evans, p. 137
7. Cat. 1000 Q. On a Western Bridle, to what side of the horse does the throatlatch buckle?
- A. Left/near side
- S. HIH, -. 1100-8
8. Cat. 600 Q. Which part of the horse lies between the knee and the arm?
- A. Forearm
- S. Evans, p. 142 & CAHA, p. 1

ROUND 2
PAGE 3

9. Cat. 400 Q. What is the primary function of the respiratory system?
A. To oxygenate the blood
S. Evans, p. 104
10. Cat. 700 Q. In a pasture with good forage, how many hours a day will a free ranging horse spend grazing?
A. 10 to 12 hours a day (must fall on or within this range)
HHH, p. 425-5
11. Cat. 800 Q. What is the name of the medication that improves circulation within the foot? It is often used on horses with navicular disease.
A. Isoxsuprine
S. AYHCLM, p. A 334-2L & EG 288, 290
12. Cat. 100 Q. In reference to vices, what is the term when a horse consciously squeezes the handler against the wall of the stall with its body?
A. Crowding
S. Evans, p. 183

END ONE-ON-ONE

ROUND 2
PAGE 4

BEGIN OPEN QUESTIONS

13. Cat. 100 Q. When buying a horse, what is the purpose of a "pre-purchase" examination?
- A. To determine the overall soundness and health of the horse prior to the sale; suitability for intended use..
- S. HHH, p. 210-5
14. Cat. 500 Q. In the pregnant mare, the first stages of foaling can often mimic what condition?
- A. Colic
- S. FCH, p. 245

TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 400 Q. The spinal chord is protected by what classification type of bone?
- A. The irregular bones
- S. Evans, p. 90 & CAHA, p. 7
- B. BONUS QUESTION
16. B-700 Q. To aid in nutrient absorption for horses with bad teeth, name four ways that feed can be processed.
- A. Cracked Extruded Rolled Steamed
Crimped Flaked Soaked
- S. FCH, p. 75 & Evans, p. 201

ROUND 2
PAGE 5

C. RESUME OPEN QUESTIONS

17. Cat. 1000 Q. The corner of the horse's mouth should have how many wrinkles with a properly fitted egg-butt snaffle bit?

A. One or two small wrinkles

S. AYHCLM, p. B 108-3L & HIH, p. 1100-8

18. Cat. 1000 Q. Name a type of martingale that attaches to the reins.

A. Irish Martingale Running Martingale
German Martingale

S. HIH, p. 1100-6

19. Cat. 900 Q. To what and where does a goose neck trailer attach?

A. To a ball or fifth-wheel in the bed of a pick-up or truck.

S. AYHCLM, p. 101-3

D. TOSS-UP QUESTION – BONUS ATTACHED

20. Cat. 600 Q. Give two common terms used to describe a horse that is weak in the coupling and shallow in the flank.

A. Hound-gutted, Herring-gutted, Wasp-waisted, Lady-waisted

S. Evans, p. 152

ROUND 2
PAGE 6

E. BONUS QUESTION

21. B-800

Q. Name four types of colic.

A. Digestive Impaction/Intestinal Obstruction
Displacement/Twisted Incarceration
Excessive Fermentation Sand
Exercise Induced Spasmodic
Extreme Parasitic Infections

S. HHH, p. 435-2 & Evans, p. 605

F. RESUME OPEN QUESTIONS

22. Cat. 900

Q. Wire mesh fence comes in two designs, what are they?

A. Diamond Mesh Square Mesh
Rectangular Mesh with 2" X 4" openings

S. Evans, p. 763

23. Cat. 800

Q. If a horse is said to be "walking on eggs", what disease condition may be affecting this horse?

A. Founder/Laminitis

S. Evans, p. 297

24. Cat. 900

Q. What is the term for the service, when a boarding stable takes care of all the horse's needs such as shelter, feeding, stall-cleaning, and possibly exercise & turn-out.

A. Full-board, Full-care

S. HHH, p. 110-3

ROUND 2
PAGE 7

25. Cat. 500 Q. What is the correct name for the membranous organ referred to as the "afterbirth"?
- A. Placenta
- S. FCH p. 400 & Evans, p. 340
- G. TOSS-UP QUESTION – BONUS ATTACHED
26. Cat. 400 Q. When looking at a profile view of a horse's mouth, what is the term for the angle formed where the upper & lower incisor teeth meet?
- A. The "Angle of Incidence"
- S. AYHCLM, p. 105-2L
- H. BONUS QUESTION
27. B-1000 Q. Bit mouth -pieces are made from numerous substances, name five of these materials.
- | | | |
|----|-------------------------|---------------|
| A. | Stainless Steel | German Silver |
| | Solid Nickel/Never Rust | Copper |
| | Aluminum | Rubber |
| | Happy mouth | Leather |
| | Vulcanite | |
- S. HIH, p. 1100-10
- I. RESUME OPEN QUESTIONS
28. Cat. 700 Q. Endophyte toxicity is associated with what type of pasture?
- A. A pasture that contains tall fescue.
- S. Evans, p. 276 & FCH, p. 352

ROUND2
PAGE 8

29. Cat. 800 Q. Where in the horse would Ascarids be found?
A. Small Intestine, Lungs, Liver
S. FCH, p. 157
30. Cat. 600 Q. What specific type of ringbone is located at the coffin joint?
A. Low ringbone
S. CAHA, p. 40 & Evans, p. 160
31. Cat. 1000 Q. What is the name for the piece of equipment that is used to carry supplies on a pack trip?
A. Panniers
S. AYHCLM, p. B 118-1L & HIH 1125-3
J. LAST QUESTION IN MATCH
32. Cat. 900 Q. In reference to horse shoeing, ideally, the nails should exit the hoof how far above the shoe?
A. $\frac{3}{4}$ to 1 inch above the shoe
S. AYHCLM, p. A 321-2L
K. END ROUND TWO

2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

Round 3

- L. BEGIN ONE-ON-ONE
1. Cat. 900 Q. Which type of wound would a "girth-gall" be classified as?
- A. Abrasion
- S. AYHCLM, p. 109-3L
2. Cat. 500 Q. During which stage of a mare's reproductive cycle will she exhibit eversion of the vulva?
- A. Estrus
- S. HIH, p. 910-1
3. Cat. 300 Q. Name this color. The base coat is chestnut, with a uniform mix of white hairs on the body.
- A. Strawberry Roan (not red roan)
- S. HIH, p. 140-1
4. Cat. 800 Q. A corn would be found in what area of a horse's foot?
- A. In the heel area of the foot.
- S. AYHCLM, p. A 334-1L

ROUND 3
PAGE 2

5. Cat. 100 Q. The domestic horse belongs to which species?
A. Equus Caballus
S. Evans, p. 13
6. Cat. 200 Q. What was the original name for the Standardbred?
A. American Trotting Horse
S. Evans, p. 28
7. Cat. 400 Q. Which region of the vertebral column is the most flexible?
A. The cervical region
S. Evans, p. 96
8. Cat. 900 Q. What structure acts as a safety in that it will help to prevent a horse from falling out of a trailer when the door is open?
A. Butt bar or Butt chain
S. AYHCLM, p. I 201-1L

ROUND 3
PAGE 3

9. Cat. 700 Q. Give two ways hay can be fed to horses other than in loose form.
- A. Cubed Chopped Pelleted Wafers
Silage Compressed
- S. FCH, p. 66
10. Cat. 600 Q. What is the definition of a stride?
- A. It is the distance between successive imprints of the same foot
- S. FCH, p. 405
11. Cat. 1000 Q. To what part of the English bridle does the throatlatch attach?
- A. The crown piece
- S. HH, p. 1100-7
12. Cat. 600 Q. What is the term for the physical appearance of an animal?
- A. Conformation or Phenotype
- S. HH, p. 220-1

END ONE-ON-ONE

ROUND 3
PAGE 4

M. BEGIN OPEN QUESTIONS

13. Cat. 700 Q. What grain can be fed as rolled, shelled, cracked, whole, or on the ear and is often used as a source of energy for the horse?

A. Corn

S. AYHCLM, p. B 102-2

14. Cat. 800 Q. Two part Question: What is "smegma" and where is it found?

A. Waxy substance formed by sebaceous glands that builds up in a horse's sheath/prepuce.

S. CAHA, p. 5a

TOSS-UP QUESTIONS – BONUS ATTACHED

15. Cat. 500 Q. When is the conception rate the highest in a mare?

A. 1 or 2 days prior to ovulation or foal heat

S. **HIH, p. 930-1**

N. BONUS QUESTION

16. B-900 Q. During cleaning of the foot, name four things that the foot should be inspected for.

A.	Abnormal Growth	Loose Shoes (if shod)
	Bruises	Loose/Missing Nails
	Diseases (thrush/whiteline)	Puncture Wounds
	General Condition (cracks, splits, dry, etc.)	Uneven Wear
	Lodged debris (dirt, rocks, etc.)	

S. Evans, p. 720

ROUND 3
PAGE 5

O. RESUME OPEN QUESTIONS

17. Cat. 400 Q. Why do you measure a horse's height at the withers?

A. It is the tallest, in-mobile, constant part of the horse.

B. Evans, p. 151

18. Cat. 100 Q. In reference to horse racing, a short fast training run usually 3-4 furlongs in length is referred to as what?

A. Blow-out (not Breeze which is an easy work out)

T. FCH, p. 382

19. Cat. 600 Q. Give the term for the traveling defect when the toe of the hind foot hits the sole or the shoe of the forefoot on the same side.

A. Forging

S. Evans, p. 179

P. TOSS-UP QUESTIONS – BONUS ATTACHED

20. Cat. 900 Q. Name three considerations when buying bedding.

A.	Absorbency	Easily Disposed of	Cost
	Availability	Readily Available	Combustibility
	Dust-free	Unpalatable	Comfortable

B. HIH, p. 330-1

ROUND 3
PAGE 6

Q. BONUS QUESTION

21. B-900

Q. Although straw is a popular bedding for horses, give four (4) disadvantages it may present.

A. Horses eat straw
Highly combustible
Lg. Volume of debris
Dusty
Cost

High labor in cleaning
Lg. Amount of storage room
Difficult to dispose of
Availability

S. HH, p. 330-1

RESUME OPEN QUESTIONS

22. Cat. 400

Q. What is the name of the muscles located between the ribs that are involved in inspiration?

A. The inter-costal muscles

S. HH, p. 895-1

23. Cat. 800

Q. What type of tooth is usually not present in a mare?

A. Canine, Tush or Bridle teeth

S. CAHA, p. 48

24. Cat. 200

Q. What is the term used to describe the canter of the Tennessee Walking Horse?

A. Rocking Chair Canter

S. AYHCLM, p. B 110-1L

ROUND 3
PAGE 7

25. Cat. 700 Q. What physical part of hay contains the highest level of carbohydrates and protein?
- A. Leaves
- S. AYHCLM, p. A 337-2L; FCH, p. 68 & HIH, p. 750
- R. TOSS-UP QUESTION – BONUS ATTACHED
26. Cat. 600 Q. In which of the following breeds of horse would you see a “suspension” during the trot, the Hackney or the Standardbred?
- A. Standardbred
- S. Evans, p. 173
- S. BONUS QUESTION
27. B-400 Q. Name four different areas where the pulse of a horse can be felt using your fingers.
- A. Facial artery (under the jaw)
Transverse facial artery (just below the eye)
Lateral dorsal metatarsal artery (on hind leg on outside of cannon bone)
Digital arteries (along the fetlock next to the deep digital flexor tendon)
Metacarpal artery just below carpus (front leg inside)
Base of tail
Behind Elbow
- S. CAHA, p. 62
- T. RESUME OPEN QUESTIONS
28. Cat. 400 Q. Name two (2) areas of hair on the horse that do not shed.
- A. Eyelashes Tail
Mane Tactile hairs of the muzzle
- S. Evans, p. 129

ROUND 3

PAGE 8

29. Cat. 500 Q. What is the term used for a mare that takes care of an orphaned foal as her own?
- A. Nurse Mare or Surrogate Mare
- S. Evans, p. 428
30. Cat. 300 Q. A chestnut horse has a hind leg with white that extends to the pastern. In this white area there are liver colored spots. What is the term for these spots?
- A. Ermine or Distal Spots
- S. Evans, p. 83
31. Cat. 800 Q. In what "units" is respiration measured?
- A. Breathes per Minute (BPM)
- S. HIH, p. 810-1
- U. LAST QUESTION IN MATCH
32. Cat. 1000 Q. Give the proper term for the raised "bump" in the middle of the mouthpiece of a curb bit.
- A. Port
- S. AYHCLM, p. B 108-3L
- V. END ROUND THREE

2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

Round 4

BEGIN ONE-ON-ONE

1. Cat. 200 Q. Which breed MUST have an ancestry of 50% or higher of Arabian blood?

A. Half-Arabian

S. Evans, p. 17

2. Cat. 700 Q. What is the main factor to consider when storing hay?

A. To protect hay from moisture, heating, elements

S. HIH, p. 710-5

3. Cat. 500 Q. A healthy foal will normally sleep in what position?

A. On its side

S. AYHCLM, p. B 112-2L

4. Cat. 400 Q. Two Part Question: What is the function of the "panniculus" muscle, and where is it located?

A. Muscle under the skin that enables the horse to flick off flies

S. Evans, p. 196

ROUND 4
PAGE 2

5. Cat. 600 Q. A horse uses what (2) parts of its body to aid in stability and balance?
A. The head and neck
S. Evans, p. 141
6. Cat. 600 Q. What part of the horse's body has a conformation problem when it is referred to as being "goose-rumped"?
A. Croup
S. Evans, p. 154
7. Cat. 100 Q. What is the proper term for the "boss mare" or most dominant horse in a herd?
A. Alpha Horse
S. Evans, p. 678
8. Cat. 800 Q. Which type of parasite commonly feeds on horses at dusk and dawn?
A. Mosquito
S. AYHCLM, p. B 100-1L

ROUND 4
PAGE 3

9. Cat. 900 Q. What substance helps to reduce the ammonia level in stalls?
A. Hydrated Lime
S. FCH, p. 193
10. Cat. 800 Q. What characteristic makes Strangles easy to identify?
A. A puss-filled abscess located between jawbones or base of jaw. Thick or purulent yellow discharge.
S. FCH, p. 173
11. Cat. 500 Q. In the newborn foal, the navel stump is a site that allows easy access for the invasion of what organism into the body?
A. Bacteria
S. AYHCLM, p. B 112-1L
12. Cat. 1000 Q. What is attached to the end of closed or California reins?
A. A small quirt/Romal
S. HIH, p. 1100-8

END ONE-ON-ONE

ROUND 4
PAGE 4

W. BEGIN OPEN QUESTIONS

13. Cat. 900 Q. Other than good nutrition, what is the most important factor that improves the appearance of the hair coat?

A. Frequent and thorough grooming

S. FCH, p. 180

14. Cat. 600 Q. What is the term for a neck that has a thickened, rounded underline and a concave top line?

A. Ewe neck

S. FCH, p. 389 & Evans, p. 145

TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 400 Q. What primary effect does sweating have on the body of the horse?

A. Dissipates heat

S. Evans, p. 129 & CAHA, p. 5a

BONUS QUESTION

16. B-900 Q. Name four (4) practices that help to insure a successful fly control program.

A. Control of moisture
Elimination of breeding materials/Good sanitation
Judicious use of insecticides
Mechanical control
Biological control

S. AYHCLM, p. I 200-1L

ROUND 4
PAGE 5

X. RESUME OPEN QUESTIONS

17. Cat. 800 Q. How would you keep a horse with a broken leg on the ground until the Veterinarian arrives?
- A. By sitting on its neck and applying pressure to the head will keep the horse on the ground.
- S. Evans, p. 610
18. Cat. 900 Q. What is the term for a horse that is being disobedient by repeatedly turning back towards the barn it is being ridden away from?
- A. Barn-sour
- S. FCH, p. 152
19. Cat. 300 Q. A coat color of dappled chestnut with a silver or white mane and tail is commonly associated with which breed?
- A. Shetland Pony or Miniature Horse (could also accept Rocky Mountain Horse)
- S. Evans, p. 59

TOSS-UP QUESTION – BONUS ATTACHED

20. Cat. 1000 Q. Two Part Question: When would you commonly see a “head bumper” being used on a horse and give a reason why.
- A. During trailering
Horse that is too tall for trailer
Horse that is a bad shipped and tends to throw head up or rear during loading or unloading
Barn w/ low ceilings/doorways
General safety
- S. AYHCLM, p. I 201-2L

ROUND 4
PAGE 6

BONUS QUESTION

21. B-700 Q. Give six characteristics of a good *pasture area* for horses.
- A. Adequate foliage free of weeds and toxic plants
Adequate shelter – not necessarily man-made
Adequate size for # of horses
Fence of adequate height – no barb wire
Free of obstacles, holes and debris
Ready access of salt
Ready access of shade
Ready access of water
Sufficiently dry surface footing
- S. FCH, p. 103

RESUME OPEN QUESTIONS

22. Cat. 900 Q. In reference to shoeing, what is meant by the term re-set?
- A. When the farrier uses the same set of shoes for a second time
- S. Evans, p. 742
23. Cat. 100 Q. Giving only one number as an answer, what is the normal respiration rate of a mature horse at rest?
- A. Accept any number including and within 8 – 16 breaths per minute
- S. Evans, p. 108
24. Cat. 700 Q. Which two minerals are needed for the necessary formation of bone?
- A. Calcium and Phosphorous
- S. Evans, p. 221 & FCH, p. 20

ROUND 4
PAGE 7

25. Cat. 400 Q. The Radius and Ulna comprise what structure of the horse?
- A. The forearm
- S. Evans, p. 684 & CAHA, p. 10

TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 200 Q. Identify the breed from the description: This breed of horse has a running walk similar to that of the Tennessee Walking Horse and the Pasos. They have been imported from Mexico since the late 1950's, and range in size from 12 to 13.2 hands. Albinos, pintos and crosses are not eligible for registration. Which breed is this?
- A. Galiceno (Gal-I-sehn-yo)
- S. Evans, p. 45

BONUS QUESTION

27. B-500 Q. Name (5) behaviors of a mare in diestrus towards a stallion.
- A. Biting Squealing
 Kicking Tail Switching
 Striking
- S. AYHCLM, p. I 226-2L

RESUME OPEN QUESTIONS

28. Cat. 500 Q. Name three of the criteria used to evaluate stallion semen.
- A. Concentration Motility
 Morphology Volume
- S. Evans, p. 365

ROUND 4
PAGE 8

29. Cat. 600 Q. Which gait of the horse is referred to as the "horse's most useful gait" and has been termed the "nearly ideal form of locomotion"?
- A. The Walk
- S. Evans, p. 172
30. Cat. 800 Q. If a horse consistently rubs its tail, name two parasites that may be present?
- A. Internally – pinworms
Externally – ticks, mites, lice; allergic reaction to biting midge
- S. FCH, p. 158
31. Cat. 900 Q. When shipping one horse in a two-horse trailer, on which side of the trailer should the horse be loaded?
- A. Left side
- S. AYHCLM, p. I 104-6L

LAST QUESTION IN MATCH

32. Cat. 800 Q. Concerning Equine Infectious Anemia, what specific item does the Coggins Test reveal?
- A. Presence of ANTIBODIES against the EIA virus
- S. Evans, p. 600 & HHH, p. 630-1

END ROUND FOUR

2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

Round 5

BEGIN ONE-ON-ONE

1. Cat. 400 Q. In the horse, the nose, ears and eyes are referred to as what type of organs?
 A. Specialized Sensory Organs
 S. Evans, p. 118

2. Cat. 300 Q. What is the most frequent color of the Welsh Mountain pony?
 A. Gray
 S. Evans, p. 61

3. Cat. 700 Q. When harvesting Timothy hay, it should be cut no later than what stage?
 A. "Boot" stage – when head begins to appear thru sheath
 S. FCH, p. 69

4. Cat. 900 Q. Which parasite of the horse comes in two types – biting and sucking?
 A. Lice
 S. HHH, p. 415-6

ROUND 5
PAGE 2

5. Cat. 900 Q. What are two major preparation steps needed before installing rubber mats in a stall?
- A. Floor is level
Floor is well packed
Good drainage
- S. HIH, p. 320-2
6. Cat. 600 Q. A horse that travels with a rolling gait and a heavy front end often has what type of wither conformation?
- A. Low, flat, round, thick withers or mutton withered
- S. Evans, p. 151
7. Cat. 200 Q. What is the name for the synthetic breed that resulted from crossing a Morgan and an Arabian?
- A. Morab
- S. Evans, p. 45
8. Cat. 200 Q. What breed of horse is registered on a temporary basis until it reaches five years of age?
- A. American Miniature Horse
- S. HIH, p. 154-1

ROUND 5
PAGE 3

9. Cat. 900 Q. What is one of the oldest method of identification for horses?
A. Hot Iron Branding
S. Evans, p. 742
10. Cat. 500 Q. The expulsion of a fetus prior to (300) days of gestation is called what?
A. Abortion
S. Evans, p. 425
11. Cat. 800 Q. What simple test is used to determine dehydration in the horse?
A. A skin pliability test/pinch test
S. AYHCLM, p. 425-2
12. Cat. 900 Q. What type of stall door is the safest and easiest to use around horses?
A. Sliding Doors
S. HIH, p. 320-6

END ONE-ON-ONE

ROUND 5
PAGE 4

BEGIN OPEN QUESTIONS

13. Cat. 600 Q. The speed of a horse is determined by stride length and what other factor?
- A. Stride frequency or rapidity
- S. Evans, p. 169
14. Cat. 700 Q. Give two reasons why soybean meal is a popular supplement.
- A. High in protein
Economical or cheaper
- S. AYHCLM, p. A 302-1L , Evans, p. 256 & FCH, p. 142

TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 1000 Q. What piece of equipment is used in conjunction with a curb bit but not with a snaffle bit?
- A. Curb Strap/Chain
- S. HIH, p. 1100-8

BONUS QUESTION

16. B-600 Q. Name the five types of walk that may be called for in a dressage test.
- A. Working Walk Collected Walk
Medium Walk Extended Walk
Free Walk
- S. Evans, p. 174

ROUND 5
PAGE 5

RESUME OPEN QUESTIONS

17. Cat. 400 Q. What is the term for the type of vision where the horse sees the same scene with both eyes?
- A. Binocular Vision
- S. HH, p. 1220-1
18. Cat. 600 Q. What is the term for a swelling of the synovial membrane lining a joint or tendon sheath which does not cause lameness?
- A. Wind gall/wind puff
- S. FCH, p. 408
19. Cat. 500 Q. Which hormone stimulates spermatogenesis or the production of sperm in the stallion?
- A. FSH
- S. AYHCLM, p. A 32701L & HH, p. 290

TOSS-UP QUESTION – BONUS ATTACHED

20. Cat. 900 Q. What sound acts as a warning signal between horses?
- A. Snort
- S. FCH, p. 153

ROUND 5
PAGE 6

BONUS QUESTION

21. B-100 Q. Name six corrective or therapeutic horse shoes.
- | | | |
|----|----------------------------------|----------------------------------|
| A. | Bar across break-over point | Heart bar shoe |
| | Bar shoe | Heel caulks |
| | Caulk at first outside nail hole | Lateral toe extension w/ trailer |
| | Chadwick spring | Rolled toe |
| | Egg Bar | Slippered heels |
| | Half rim | Square toe |
| | Half shoe | Trailer |
- S. Evans, p. 749

RESUME OPEN QUESTIONS

22. Cat. 300 Q. What color are a horse's hooves usually at birth?
- A. White
- S. Evans, p. 82
23. Cat. 800 Q. What is the general term for severe, painful cramping of large muscle masses, resulting in discoloration of the urine from the by-products of muscle destruction?
- A. Tying-Up, Azoturia, Black water disease, Monday Morning Sickness
- S. FCH, p. 407
24. Cat. 900 Q. When would you use a hospital plate on a shoe?
- A. When the foot is abscessed or the sole has an injury. It is easy to remove and apply medication to the bottom of the foot, also keeps out debris
- S. HIH, p. 515-5

ROUND 5
PAGE 7

25. Cat. 100 Q. What is a "Perlino"?
- A. A coat color that is a double dilution of the bay coat color
- S. Evans, p. 81

TOSS-UP QUESTION - BONUS ATTACHED

26. Cat. 800 Q. In reference to a wound, what is meant by the term "golden period"?
- A. The elapsed time from injury to closure, after which suturing a wound would do little good.
- S. HIH, p. 440-3

BONUS QUESTION

27. B-1000 Q. Name four (4) hitches used to tie a load on a pack saddle.
- A. Arizona Single-diamond
Double-diamond Squaw
Half-diamond Triple
- S. AYHCLM, p. B 118-1L & HIH 1125-1

RESUME OPEN QUESTIONS

28. Cat. 600 Q. What is measured from the chest floor to the top of the withers?
- A. Depth of heart or Heart Girth
- S. AYHCLM, p. A 323-2L

ROUND 5
PAGE 8

29. Cat. 900 Q. Two Part Question: Which type of wood is least preferred for horse fence and why?
- A. Soft Pines (Douglas Fir, Western Pine, White Pine)
Weak in strength
Very tasty to horses – invites chewing
- S. FCH, p. 185
30. Cat. 800 Q. At what stage are Red Maple leaves toxic to horses?
- A. When they are wilted or dried.
- S. FCH, p. 331
31. Cat. 400 Q. What type of effect does a shoulder “sweeney” have on a horse’s performance?
- A. Little or no effect
- S. Evans, p. 703

LAST QUESTION IN MATCH

32. Cat. 1000 Q. What is the name of a colorful woven blanket used with a western saddle that is made from wool?
- Navajo
- S. HHH, p. 1100-5

END ROUND FIVE

2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

Round 6

BEGIN ONE-ON-ONE

1. Cat. 1000 Q. On a Pelham bit, which set of reins, upper or lower works like a snaffle?
 A. Upper
 S. AYHCLM, p. B108-3L

2. Cat. 900 Q. What is the term used for a horse that requires less feed than others under the same conditions?
 A. Easy Keeper
 S. FCH, p. 388

3. Cat. 900 Q. In a single day, the average 1000 lb. horse can produce how much manure?
 A. 40 to 50 pounds
 S. HIH, p. 360-2

4. Cat. 500 Q. How is it determined that a stallion has ejaculated while breeding a mare?
 A. Tail flagging (raising & lowering of the tail several times)
 S. Evans, p. 387 & FCH, p. 389

ROUND 6
PAGE 2

5. Cat. 200 Q. In the United States, based on registry, which breed of draft horse is the most common?
- A. Belgium
- S. AYHCLM, p. B 110-1L
6. Cat. 900 Q. What is the term for the type of sheet that is used during outdoor exercise in cold weather that runs from the withers to the hindquarters?
- A. Half-sheet (*NOT quarter-sheet – which only runs from the loin/coupling area and over the hindquarter*)
- S. HIH, p. 1100-16
7. Cat. 800 Q. What is the first step in treating an abscess?
- A. Opening the affected area to allow it to drain
- S. AYHCLM, p. A 334-2L
8. Cat. 400 Q. Which structures carry blood away from the heart?
- A. Arteries
- S. Evans, p. 112 & CAHA, p. 58,59

ROUND 6
PAGE 3

9. Cat. 600 Q. What type of hernia only occurs in male horses?
A. Scrotal hernia
S. Evans, p. 168
10. Cat. 800 Q. In which system of the horse would Septicemia occur?
A. Circulatory/Cardio Vascular
S. Evans, p. 595
11. Cat. 1000 Q. What is the benefit from using a "copper" mouth-piece in a bit?
A. A copper mouth-piece increases salivation
S. HH, p. 1100-10
12. Cat. 700 Q. What is the first nutrient that man or animal would notice an inadequate amount of?
A. Water
S. Evans, p. 246

END ONE-ON-ONE

ROUND 6
PAGE 4

Y. BEGIN ONE-ON-ONE

13. Cat. 100 Q. What stimulus induces the growth of a horse's winter hair coat?
A. Shortened photo-period (day-light) NOT temperature
S. AYHCLM, p. A 304-20
14. Cat. 700 Q. Give two purposes that a pasture serves for horses.
A. Provide area for exercise
Source of feed
S. FCH, p. 103

TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 500 Q. Explain the difference in the parentage of a mule and a hinny.
A. Mule – jack (male donkey) X mare (female horse)
Hinny – jennet (female donkey) X stallion (male horse)
S. Evans, p. 76

BONUS QUESTION

16. B-200 Q. Name five (5) modifications of the "black" coat color.
A. Bay Grulla
Buckskin Perlino
Dun Seal Brown
S. Evans, p. 473

ROUND 6
PAGE 5

RESUME OPEN QUESTIONS

17. Cat. 600 Q. What is the term for the dropping of partially chewed feed from the mouth?
A. Quidding
S. HIH, p. 405-3
18. Cat. 900 Q. Eyelids wide open, flared nostrils, snorting, tail tucked between legs, balking, shying and a whinny of distress are all signs of what in the horse?
A. Fright, horse is afraid of something
S. FCH, p. 376
19. Cat. 400 Q. A horse that has all of its' permanent teeth is referred to as what?
A. "Full-mouthed"
S. FCH, p. 400

TOSS-UP QUESTION – BONUS ATTACHED

20. Cat. 800 Q. What is the purpose of a pressure bandage?
A. To control or stop hemorrhage/bleeding
S. Evans, p. 609

ROUND 6
PAGE 6

BONUS QUESTION

21. B-900 Q. Give (4) possible causes of a stable fire.
- A. Accumulation of Dust & Cobwebs (very flammable)
Appliances (space heater, washer, dryer, etc.)
Bucket/Water Heaters
Chemical Reaction (Gas, Kerosene, Fly Spray, Aerosol Cans Etc. left in area of extreme heat build-up)
Electrical Storm/Lightening
Garbage/Debris Piled Up Around Heat or Ignition Source
Horse/Rodent Chewing Through Electrical Wires
Smoking In or Around Stable
Spontaneous Combustion of Improperly Cured Hay
- S. HIH, p. 320-1

RESUME OPEN QUESTIONS

22. Cat. 400 Q. Name the four accessory organs that aid in digestion in the horse/
- A. Teeth Salivary glands
Liver Pancreas
- S. AYHCLM, p. 103-1
23. Cat. 500 Q. What is the function of the cremaster muscle?
- A. Raise and lower the scrotum
- S. AYHCLM, p. A 327-1; HIH, p. 920 & Evans, p. 355
24. Cat. 700 Q. In reference to the circulatory system of the horse, which vitamin is essential for the activation of several blood clotting factors?
- A. Vitamin K
- S. FCH, p. 50

ROUND 6
PAGE 7

25. Cat. 600 Q. Name a two-beat diagonal gait.
- A. Trot
Rein-back
- S. Evans, p. 173 & FCH, p. 390

TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 300 Q. The basic coat colors of the horse can be modified four different ways. Name them.
- A. Dilutions Roaning
Graying Spotting
- S. Evans, p. 81

BONUS QUESTION

27. B-700 Q. Name five toxic plants that are sudden death-inducing to horses.
- A. Arrow Grass Chokecherry Death Camas
Dog Bane/Indian Hemp Elderberry Foxglove
Goose Grass Hemlock Johnson Grass
Larkspur Lilly of the Valley Milkweed
Oleander Pod Grass Serviceberry
Sudan Grass Water Hemlock Wild Blue Fax
Yew
- S. FCH, p. 334

RESUME OPEN QUESTIONS

28. Cat. 800 Q. Identify the disease based on the following symptoms: Prolapse of the third eyelid, spasms of the masseter muscle, difficulty walking, nearly 100% mortality and a sawhorse posture.
- A. Tetanus
- S. Evans, p. 601

ROUND 6
PAGE 8

29. Cat. 200 Q. What is the phrase commonly used to describe the American Saddlebred breed of horse?

A. "Peacock of the Show World"

AYHCLM, p. B 110-2L

30. Cat. 900 Q. For what purpose is glycerin soap used?

A. Cleaning agent for tack and equipment

S. HHH, p. 1100-14

31. Cat. 400 Q. What type of skeletal muscle group extends or straightens a joint?

A. Extensor muscles

S. Evans, p. 104

LAST QUESTION IN MATCH

32. Cat. 800 Q. What is the term used when the respiration rate of the horse is higher than the pulse rate?

A. Inversion

S. AYHCLM, p. B 115-1L

END ROUND SIX

2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

Round 7

BEGIN ONE-ON-ONE

1. Cat. 400 Q. When looking at a profile view of a horse's mouth, what is the term for the angle formed where the upper & lower incisor teeth meet?

A. Buying an inexperienced or bad-mannered horse for an inexperienced rider

S. FCH, p. 191

2. Cat. 500 Q. The Allantois, Amnion and Chorion comprise what structure?

A. The fetal placenta

S. Evans, p.340

3. Cat. 400 Q. What is the term for the cutting of the digital nerve to relieve pain?

A. Nerving (not nerve block) or Nerectomy

S. CAHA, p. 22 & FCH, p. 397

4. Cat. 200 Q. Which breed is known as the "Prince of Ponies"?

A. Hackney

S. Evans, p. 61

ROUND 7
PAGE 2

5. Cat. 900 Q. Name two (2) vices that are quickly and often copied by other horses.
- A. Cribbing
Weaving
Wood Chewing
- S. Evans, p. 183
6. Cat. 100 Q. What do the initials P-R-C-A stand for?
- A. Professional Rodeo Cowboy Association
- S. Evans, p. 164
7. Cat. 600 Q. Most gaits are symmetrical, however, there are two "asymmetrical" gaits. Name them.
- A. Canter/Lope
Gallop
- S. Evans, p. 172
8. Cat. 700 Q. Which vitamin is not needed in the horse's diet, but in humans causes scurvy?
- A. Vitamin C
- S. FCH, p. 60

ROUND 7
PAGE 3

9. Cat. 900 Q. What category of behavior is being demonstrated when horses huddle together during inclement weather?
A. Contactual Behavior
S. Evans, p. 673
10. Cat. 800 Q. What is the medical term for an irregularity in the rhythm of the heartbeat?
A. Arrhythmia
S. EG 261
11. Cat. 800 Q. Other than radiographs, what is the best method of diagnosing Navicular Disease?
A. The use of "Hoof Testers"
S. AYHCLM, p. A 334-2L
12. Cat. 500 Q. Which structure of the horse is responsible for maintaining proper temperature for sperm production?
A. Scrotum
S. AYHCLM, p. I 227-2L

END ONE-ON-ONE

ROUND 7
PAGE 4

BEGIN OPEN QUESTIONS

13. Cat. 400 Q. During exercise, body heat is primarily produced by what system?
- A. The muscle system
- S. FCH, p. 199
14. Cat. 700 Q. Which of the following common cereal grains fed to horses is lowest in crude protein: Barley, Corn, Oats or Wheat?
- A. Corn
- S. AYHCLM, p. A 302-1 & FCH, p. 71

TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 600 Q. Name the fastest artificial 4-beat gait.
- A. The Rack
- S. Evans, p. 178

BONUS QUESTION

16. B-900 Q. Give four external characteristics of the foot of a horse that suffers from chronic founder.
- A. Abnormal Growth Rings on the hoof
Bulging of the Sole
Distance between growth rings at the toe is less than the distance between the same growth rings at the quarter of the heel
Front of the hoof wall may have a dished or concave shape
Sole is flattened
Toes may curl upward, especially if not kept trimmed
Widening of the "white line"
- S. Evans, p. 299

ROUND 7
PAGE 5

RESUME OPEN QUESTIONS

17. Cat. 300 Q. In reference to roan horses, name two areas of the body other than the mane & tail that may be more solid-colored than roaned?
- A. The head, neck, lower legs, mane and tail
- S. Evans, p. 81
18. Cat. 1000 Q. What piece of equipment is used to keep a pack-saddle from sliding backwards?
- A. Breast Collar
- S. HIH, p. 1125-2 & AYHCLM, p. B 118-2L
19. Cat. 300 Q. In reference to coat colors, what are two common names for a very dark chocolate shade of chestnut?
- A. Liver Chestnut or Black Chestnut
- S. Evans, p. 80

TOSS-UP QUESTION – BONUS ATTACHED

20. Cat. 200 Q. Which American breed of horse had the first association formed in the United States?
- A. American Saddlebred Horse Association
- S. HIH, p. 156-1

ROUND 7
PAGE 6

BONUS QUESTION

21. B-800 Q. Give five externally visual means of horse identification.
- A. Brand Chestnuts
Coat Color Pattern (paints/pintos/appaloosas) Cowlicks (hair whorls)
Markings Muscular dimples/defects
Scars **(NOT tattoo is internal)**
- S. Evans, p. 80

RESUME OPEN QUESTIONS

22. Cat. 600 Q. A horse with what type of conformation is prone to curbs?
- A. A horse that is extremely sickle hocked.
- S. CAHA, p. 40 & FCH, p. 386
23. Cat. 900 Q. Exercising a horse in a pool can be beneficial. Name (2) benefits.
- A. Increases wind Increases stamina
Improves muscle tone Prevents concussion to limbs
Cardio-vascular fitness
- S. Evans, p. 784
24. Cat. 800 Q. In reference to wound care, name three purposes of a bandage.
- A. -Immobilize the wound to aid healing -Protects from infection
-Keeps wound clean -Reduces swelling
-Keeps medication on wound -Controls bleeding
-Protects from further trauma
- S. AYHCLM, p. B 109-2L

ROUND 7
PAGE 7

25. Cat. 500 Q. You are planning to breed your chestnut stock type mare, and would love her to produce a palomino foal. In order to guarantee a foal of this color, what color stallion should she be bred to?
- A. Cremello stallion (bred to a chestnut mare will produce 100% palomino foals)
- S. Evans, p. 51

TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 1000 Q. Name three areas to which a hackamore bit applies pressure.
- A. Nose Face Jaw
Chin Poll Cheeks (Not the mouth)
- S. AYHCLM, p. B 108-2L & HIH, p. 1100-10

BONUS QUESTION

27. B-700 Q. Give four (4) reasons why a gelding could be excessively overweight other than for hormonal reasons.
- A. Grass Fat – unrestricted pasture grazing
Inadequate Exercise
Intentionally Over Fed – to mask undesirable traits if being used for show or sale
Unintentionally Over Fed - by novice owner
Dominant horse in a group feeding situation
- S. Evans, p. 295 & FCH, p. 12, 152

RESUME OPEN QUESTIONS

28. Cat. 800 Q. What is the term for a parasite that cannot survive away from the host animal?
- A. "Obligate Parasite"
- S. AYHCLM, p. 300-1L

ROUND 7
PAGE 8

29. Cat. 600 Q. Name the two tendons that may be involved in a bow?
A. Superficial Flexor tendon
Deep Digital Flexor tendon
S. FCH, p. 383
30. Cat. 500 Q. How long does it take for a foal's immune system to become functional and able to produce significant levels of antibodies?
A. 2 to 4 months
S. AYHCLM, p. B 112-2L
31. Cat. 400 Q. The sternum is comprised of how many bones?
A. One
S. Evans, p. 90 & CAHA, p. 8

LAST QUESTION IN MATCH

32. Cat. 700 Q. At what stage of growth is hay most easily digested by the horse?
A. Immature hay, pre-bloom, boot stage
S. AYHCLM, p. A 337-2L; FCH, p. 68 & HIH, p. 750

END ROUND SEVEN

2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

Round 8

BEGIN ONE-ON-ONE

1. Cat. 1000 Q. Two-part question. Where would you find a "Latigo" and what is its purpose?

 A. Latigo is found on a western saddle; it is the strap that ties up the cinch on the left side of the saddle.

 S. HHH, p. 1100-4

2. Cat. 600 Q. An inflammation of the Synovial Membrane on the inside front portion of the Hock Joint is referred to as what?

 A. Bog Spavin

 S. Evans, p. 165

3. Cat. 900 Q. Two part question: In reference to vices, what is weaving, and where is it commonly seen?

 A. When a horse throws its body from side to side when standing
 In stall or along a fence line at or near the gate in a paddock where grazing is restricted

 S. FCH, p. 382

4. Cat. 600 Q. How do horses naturally groom themselves?

 A. Mutual Grooming
 Rolling

 S. Evans, p. 675

ROUND 8
PAGE 2

5. Cat. 500 Q. Two Part Question: What is the common term for the "Olfactory Reflex", and describe the reflex?
- A. Flehman Reflex/Posture – when horse smells something, then extends its neck upward, curling back the lips from over the teeth.
- S. Evans, p. 387
6. Cat. 300 Q. In *general terms*, what distinguishes the difference between Tovero, Overo and Tobiano Paint horses.
- A. The location of color on the horse.
- S. AYHCLM, p. B110-2L
7. Cat. 900 Q. A means of forced exercise, name the mechanical device that is used to help develop and condition halter horses.
- A. Tread Mill Equicizer Hot Walker
- S. Evans p. 784
8. Cat. 600 Q. Explain the foot fall sequence of a horse on the right lead at the gallop beginning with contact of the left hind leg with the ground.
- A. Left Hind
Right Hind
Left Fore
Right Fore
- S. Evans, p. 177

ROUND 8
PAGE 3

9. Cat. 800 Q. What is the purpose of a steroid when used properly?
- A. To control inflammation
Surpress allergic reaction
- S. EG 256
10. Cat. 900 Q. Name two things that an equine dentist **feels** in the horse's mouth.
- A. Sharp enamel points Uneven wear
Hooks on the sides where teeth do not fully come together
Sharp edges Loose teeth
Missing/damaged teeth
- S. AYHCLM, p. A 304-1L & FCH, p. 177
11. Cat. 600 Q. In reference to a horse, give three characteristics of a "coarse" head.
- A. Large ears Long Small eye
Thick muzzle Roman nosed Thick throat latch/neck
- S. Evans, p. 141
12. Cat. 300 Q. Two Part Question: At birth, what color is the coat of a true white horse, and what color is its skin?
- A. White Coat
Pink Skin
- S. Evans, p. 53

END ONE-ON-ONE

ROUND 8
PAGE 4

BEGIN OPEN QUESTIONS

13. Cat. 500 Q. The ovary is responsible for the production of which two female hormones?
- A. Estrogen
Progesterone
- S. HHH, p. 910-4
14. Cat. 200 Q. Two-Part Question. There are two distinct types of Paso horse. Which breed of Paso does not register spotted horses, and for what gait is the breed most known?
- A. Peruvian Paso; termino
- S. Evans, p. 43

TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 600 Q. Two part question: Name the unique four-beat lateral gait which is essentially a broken pace that can be performed at three different speeds, and name the speeds.
- A. Gait = Paso
Speeds = Paso fino
Paso corto
- Z. Paso largo
- S. Evans, p. 178

BONUS QUESTION

16. B-600 Q. What are three structural faults of the front legs?
- | | | | |
|----|-------------|---------------------|-------------------------|
| A. | Base Narrow | Buck-knee | Offset Cannon |
| | Base Wide | Calf-knee | Short, Straight Pastern |
| | Bench Knees | Coon or Slew-footed | Tied-In At the Knee |
| | Bow-legs | Knock-knee | |
- S. Evans, p. 145-157

ROUND 8
PAGE 5

RESUME OPEN QUESTIONS

17. Cat. 1000 Q. What is the collective term for stirrup leathers, stirrup irons and a girth?
- A. Fittings
- S. HHH, p. 1100-3
18. Cat. 400 Q. What is the "Orbital Cavity"?
- A. The bony socket that surrounds and protects the eye of the horse
- S. Evans, p. 90 & CAHA, p. 41
19. Cat. 700 Q. Name two types of salt blocks available for horses.
- A. Iodized Salt Selinized Salt Rock Salt
Plain Salt Trace-mineralized Salt
- S. FCH, p. 226

TOSS-UP QUESTION – BONUS ATTACHED

20. Cat. 800 Q. What is the term for removing foreign material and dead or damaged tissue from a wound?
- A. Debridement
- S. HHH, p. 440-3

ROUND 8
PAGE 6

BONUS QUESTION

21. B-800 Q. Give four uses for a poultice.
- A. Increase the blood supply to an area
Draw out infection as with an abscess or puncture wound
Encourage an abscess to open
Decrease inflammation associated with swelling & bruising caused by concussion
 - S. HIH, p. 440-6

RESUME OPEN QUESTIONS

22. Cat. 900 Q. In addition to the truck bed, to what other part of the truck should a Gooseneck-type hitch be attached?
- A. To the frame under the truck bed
 - S. AYHCLM, p. A 301-1L
23. Cat. 300 Q. What is the term for a patch of white hairs down the face that does not cover the full width of the nasal bones?
- A. Stripe
 - S. Evans, p. 82
24. Cat. 900 Q. According to Lewis, what is the ideal stall size for a draft horse?
- A. 14' X 14'
 - S. FCH, p. 181

ROUND 8
PAGE 7

25. Cat. 200 Q. At a breed show Hackney ponies are divided into two types. What are the types?
- A. Cob-Tail
Long-Tail
- S. Evans, p. 63

TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 100 Q. Give three visual signs of aging in the horse with the exception of the changes in the cups of the horse's teeth.
- A. Angle of Incidence of the Teeth Galvayne's Groove
Coarser Hair Coat Graying Hair
Deep hollow above the eyes Sway-back
Drooping lower lip
- S. HH, p. 450-6

BONUS QUESTION

27. B-700 Q. Name the (7) joints of the rear leg in order proximal to distal.
- A. Sacroiliac, Hip, Stifle, Hock, Fetlock, Pastern & Coffin
- S. Evans, p. 190

RESUME OPEN QUESTIONS

28. Cat. 400 Q. On which teeth is the "dental star" first evident?
- A. Central Incisors
- S. FCH, p. 387

ROUND 8
PAGE 8

29. Cat. 700 Q. How is the plant maturity of legume hay visually determined?
A. It is determined by the amount of flowers present at the time of harvest.
S. FCH, p. 68,69; HIH, p. 750 & AYHCLM, p. A 337-1L
30. Cat. 500 Q. During which season of the year would a mare naturally be in Anestrus?
A. During the winter months
S. HIH, p. 910-5
31. Cat. 1000 Q. In addition to keeping a horse in the stall, give two other functions of a stall guard.
A. Allows for more air circulation into a stall
Allows horse to hang its head over or out of a stall with a solid door
S. HIH, p. 1100-12

LAST QUESTION IN MATCH

32. Cat. 400 Q. What do capillaries connect?
A. They connect arteries with veins.
S. EG 272

END ROUND EIGHT

2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

Round 9

BEGIN ONE-ON-ONE

1. Cat. 500 Q. The process of the production of sperm cells is referred to by what term?
A. Spermatogenesis
S. AYHCLM, p. A 327-1, 327-2L & HIH p. 920
2. Cat. 900 Q. "Charging" is seen most commonly in what type of horse?
A. Stallion
S. Evans, p. 183
3. Cat. 600 Q. How does the slope of the shoulder influence the length of stride?
A. The steeper (straighter) the shoulder, the shorter the stride
The more sloping (angular) the shoulder, the longer the stride
S. HIH, p. 220-6
4. Cat. 400 Q. Name two areas on the horse where would you would find "tactile hairs".
A. Eyelids
Lips/Muzzle
Nostrils
S. CAHA, p. 4

ROUND 9
PAGE 3

9. Cat. 1000 Q. What is the term for the type of mouth-piece that does not have a port and is not jointed in the middle, but has a slight bow?
A. Mullen Mouth
S. HHH, p. 1100-11
10. Cat. 400 Q. What two internal parts of the horse are associated with "thumps"?
A. Diaphragm and Heart or Synchronous Diaphragmatic Flutter
S. FCH, p. 213
11. Cat. 700 Q. Which weighs less – a quart of pellets or a quart of extruded feed?
A. Extruded Feed
S. Evans, p. 280 & FCH p. 92
12. Cat. 100 Q. In reference to a horse's coat, what does "bloom" mean?
A. Luster, shine of the hair
S. FCH, p. 382 & Evans, p. 129
- AA. END ONE-ON-ONE

ROUND 9
PAGE 4

BB. BEGIN OPEN QUESTIONS

13. Cat. 800 Q. How many liters of blood does an average 1000 lb. horse's body contain?

A. 50 liters

S. AYHCLM, p. I 225-3L

14. Cat. 600 Q. During what type of movement is the condition known as "stringhalt" most obvious?

A. Backing or Turning

S. Evans, p. 164 & FCH, p. 405

CC. TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 700 Q. Explain the difference between "straw" and "cereal grain hay".

A. Straw = Plant residue left after the removal of the seed head (grain) from the stem and leaves; used as bedding
Cereal Grain Hay = Plants such as oats or wheat that are harvested with the seed head (grain) still attached to the stem and leaves; fed as a hay

S. FCH, p. 95

DD. BONUS QUESTION

16. B-600 Q. Name four types of unsoundness that do not result in lameness.

A.	Blindness	Parrot Mouth (overshot jaw)
	Cataracts	Poll Evil
	Colic	Respiratory Infection
	Fistula of the Withers	Roaring
	Heaves	Saddle or Girth Sore
	Hernia	Tipped Vulva
	Infertility	
	Monkey Mouth (undershot jaw)	

S. Evans, p. 168

ROUND 9
PAGE 5

EE. RESUME OPEN QUESTIONS

17. Cat. 900 Q. What type of farriers' hammer is used for making and shaping shoes?
- A. Rounding Hammer
- S. Evans, p. 728
18. Cat. 200 Q. Prior to 1908, the Arabian and Anglo-Arab were registered with what breed association?
- A. The American Jockey Club
- S. Evans, p. 17
19. Cat. 100 Q. At the age of 20, what is the shape of a horse's permanent middle incisor?
- A. Triangular
- S. CAHA, p. 48
- FF. TOSS-UP QUESTION – BONUS ATTACHED
20. Cat. 500 Q. Two Part Question: Name four ways mares are classified, and explain each classification.
- A. Barren = mare that has been bred, but has never been pregnant
In-foal = pregnant, carrying a foal
Lactating = nursing a foal
Maiden = mare that has never been bred
Open = mare than is currently not in foal, has not been bred this season, but has produced
a foal in a previous season
- S. FCH, p. 230 & Evans, p. 323

ROUND 9
PAGE 6

GG. BONUS QUESTION

21. B-700 Q. Give (4) advantages of using a complete pelleted feed.
- A. Decreased feed waste
Easier to transport
Economy of storage space
Reduced dust
Better feed efficiency
Beneficial for horses w/ poor teeth
Decreased colic incidence in older horses
Contains all vitamins – no sifting out
- S. Evans, p. 280

HH. RESUME OPEN QUESTIONS

22. Cat. 400 Q. Two Part Question: What are "guard hairs", and where are they commonly found?
- A. Long, individual hairs that often mix with the dense undercoat of the horse
Usually seen on the underside of the belly, underside of jaw and neck,
between cheeks of the buttock
- S. Evans, p. 129
23. Cat. 1000 Q. What part of the English saddle rests on the horse's back?
- A. The panel
- S. HHH, p. 1100-2
24. Cat. 800 Q. Acorns produce what plant toxin?
- A. Tannic Acid
- S. FCH, p. 303

ROUND 9
PAGE 7

25. Cat. 900 Q. Two Part Question: What is the minimum height for an indoor arena and why is a higher ceiling more desirable?
- A. 14 feet minimum – the higher the ceiling, the better lit the area will be with fewer shadows
- S. HH, p. 320-7
- II. TOSS-UP QUESTION – BONUS ATTACHED
26. Cat. 600 Q. What type of walk is based on the following description? The rear feet overreach the prints of the front feet. The head and neck are extended. Typically, the head and neck nods up and down twice during each stride but the topline remains level, as there is no lift since there is no suspension phase and the weight is evenly distributed on the stance legs.
- A. Extended Walk
- S. Evans, p. 172
- JJ. BONUS QUESTION
27. B-800 Q. Give four possible causes of anemia.
- | | | |
|----|--------------------|----------------------------|
| A. | Excessive Bleeding | Dietary Deficiency |
| | Infection | Presence of Toxins in Body |
| | Chronic Disease | Lack of Iron |
| | Parasitism | Incompatible Rh factor |
- S. FCH, p. 380
- KK. RESUME OPEN QUESTIONS
28. Cat. 800 Q. What is the proper term for a small sac or blister containing liquid?
- A. Vesicle, Vesicular or Cyst
- S. FCH, p. 408

ROUND 9
PAGE 8

29. Cat. 400 Q. Name three areas of the horse's body where it readily sweats.
- A. Base of the Ears Flank
Chest Neck
(**NOT** the back)
- S. Evans, p. 129
30. Cat. 600 Q. How many beats are in the gait referred to as the "Stepping Pace"?
- A. Four (NOT two – it is a lateral gait, but because of the higher action of the front limb, the hind foot hits the ground before the front foot on the same side)
- S. Evans, p. 178
31. Cat. 200 Q. Name two American breeds of horse that have two distinct types based on gait.
- A. Standardbred = Trotters & Pacers
American Saddlebred = 3-Gaited & 5-Gaited
- S. Evans, p. 28 & 37
- LL. LAST QUESTION IN MATCH
32. Cat. 900 Q. If the hayrack is too high for the horse eating from it, what are two problems that may occur?
- A. -Foreign material getting into the eyes
-Increased dust inhalation
-Respiratory problems
- S. FCH, p. 149
- MM. END ROUND NINE

2002 EASTERN NATIONAL 4-H HORSE ROUND-UP

Round 10

BEGIN ONE-ON-ONE

1. Cat. 300 Q. In a wall-eyed horse, what structure of the eye is light blue or hazel in color?

 A. Iris

 S. Evans, p. 82

2. Cat. 800 Q. What type of shoe transfers the horse's weight to the frog?

 A. Heart bar shoe

 S. AYHCLM, p. I 231-3L

3. Cat. 200 Q. What color pattern is not permitted in the Welsh Pony breed?

 A. Pinto/spotted pattern

 S. Evans, p. 61

4. Cat. 800 Q. Which condition causes clouding of the eye lens, and may result in blindness?

 A. Cataracts

 S. HHH, p. 1060-5

ROUND 10
PAGE 2

5. Cat. 500 Q. After what age does a mare's reproductive ability start to decrease?
A. 15 - 18 years of age
S. HIH, p. 940-1
6. Cat. 1000 Q. What piece of equipment is used in conjunction with a packsaddle to prevent it from sliding forward?
A. Breeching (NOT crupper – generally not used on a pack saddle, only riding saddle and harness)
NN. HIH, p. 1125-2
7. Cat. 600 Q. Which gait is synonymous with the Slow Gait?
A. Stepping Pace
S. Evans, p. 178
8. Cat. 600 Q. Which gait is faster, the trot or the pace?
A. Pace
S. Evans, p. 175

ROUND 10
PAGE 3

9. Cat. 100 Q. Which color breed cannot breed true? On the average, it will not reproduce more than half its offspring having its own color.
- A. The Indians from the South East (Georgia) area
- S. Evans, p. 8
10. Cat. 800 Q. Which virus causes Rhinopneumonitis?
- A. Equine Herpes virus
- S. FCH, p. 171
11. Cat. 400 Q. To which side of the heart does blood return from the body?
- A. Right side
- S. AYHCLM, p. B 119-1L
12. Cat. 400 Q. The long pastern, cannon and sesamoid bones comprise what joint of the horse?
- A. The fetlock joint
- S. CAHA, p. 14

END ONE-ON-ONE

ROUND 10

PAGE 4

BEGIN OPEN QUESTIONS

13. Cat. 900 Q. To ensure that a racehorse is free of forbidden substances, a racing chemist can test which three body fluids of the horse?
- A. Blood
Saliva
Urine
- S. Evans, p. 141
14. Cat. 300 Q. On which breed of horse could you find a "blue zone"?
- A. Paint
- S. HIH, p. 159-2

TOSS-UP QUESTION – BONUS ATTACHED

15. Cat. 800 Q. When would "silver nitrate" be used on a horse?
- A. When a horse is injured to aid in blood clotting and control hemorrhage
- S. HIH, p. 440-2

BONUS QUESTION

16. B-800 Q. Name four factors, which may affect healing of a wound.
- A. Blood supply to the wound
Associated soft tissue damage such as bruising & hematomas
Skin temperature
Availability of loose connective tissue to allow wound closure
Size of Wound
Incorrect wound care
Infection
Diseases
- S. HIH, p. 440-5

ROUND 10
PAGE 5

RESUME OPEN QUESTIONS

17. Cat. 500 Q. The gestation period of a mare carrying a horse foal is approximately how many days shorter than it would be if she were carrying a mule fetus?
- A. 10 days
- S. Evans, p. 343 & 344
18. Cat. 600 Q. Two Part Question: Soundness can be classified two ways. Give both ways, and explain how they differ.
- A. Breeding Soundness – A genetic defect may cause an unsoundness for breeding, but the horse may be useful to work.
Working Soundness – A defect that does not permit the horse to be worked, but it would still be a desirable horse to breed since the defect would not be passed on.
- S. Evans, p. 157
19. Cat. 800 Q. Name four (4) plants that induce excessive salivation in the horse.
- A. Azalea
Bristle Grass
Buttercup
Death Camas
Foxtail Barley/Bearded
Grass awns from wheat or rye
Laurel
- Poison Hemlock
Red Clover
Russian Thistle
Water Hemlock
White Snakeroot
Yellow Star Thistle
- S. FCH, p. 301

TOSS-UP QUESTION – BONUS ATTACHED

20. Cat. 100 Q. Two Part Question: What is meant by the term “cob-tail” and where is it commonly seen?
- A. The practice of docking a horse’s tail to a 6-inch length
Seen in the Hackney and draft horse breeds
- S. Evans, p. 64

ROUND 10
PAGE 6

BONUS QUESTION

21. B-800 Q. Name four things that can cause urticaria, wheals, plagues, hives or protein bumps?
- A. An allergic response to a specific protein in feed
Drugs
Inhaled pollens or chemicals
Insect bites
Insecticides (fly spray)
Internal parasites
Vaccines
- S. FCH, p. 16

RESUME OPEN QUESTIONS

22. Cat. 900 Q. What is the condition score for the horse being described? Prominent crease down the back. Difficult to feel ribs. Fat around tailhead very soft. Area along withers filled with fat. Area behind shoulder filled in flush. Noticeable thickening of neck. Fat deposited along inner buttocks.
- A. Score of (8)
- S. Evans, p. 269
23. Cat. 200 Q. An influx of which breed can be seen in the American type of Shetland pony?
- A. Hackney
- S. Evans, p. 58
24. Cat. 1000 Q. Give three advantages of a saddle made from synthetic materials.
- A. Cheaper to purchase
Light weight
Easier to clean and maintain than leather
- S. HIH, p. 1100-3

ROUND 10

PAGE 7

25. Cat.700 Q. Two Part Question: What is "Rumensin", and how is it associated with horses?
- A. Rumensin is a feed additive used to increase feed efficiency and weight gain in cattle. It should not be associated with horses, as it is highly toxic to them.
- S. FCH, p. 361

TOSS-UP QUESTION – BONUS ATTACHED

26. Cat. 800 Q. Give three indications that a horse has an infected cheek tooth?
- A. -Slow eating/chewing
-Progressive unthriftiness
-Quidding
-Shaking or Tilting of Head
-Swelling of the face or jaw
-Draining tracks and nasal discharge
- S. HIH, p. 405-3

BONUS QUESTION

27. B-800 Q. Name four of the most common signs that a horse has Lyme Disease.
- | | | |
|----|-----------------------|------------------------|
| A. | Arthritis | Lameness |
| | Dermatitis | Neurological disease |
| | Difficulty swallowing | Paralysis of the tail |
| | Fever | Profuse sweating |
| | Glazed eyes | Wandering aimlessly |
| | Head tilt | Uveitis (eye disorder) |
| | Joint swelling | |
- S. HIH, p. 655-1,2

RESUME OPEN QUESTIONS

28. Cat. 400 Q. Which bone in the horse's body is the heaviest and strongest?
- A. Femur
- S. Evans, p. 687

ROUND 10

PAGE 8

29. Cat. 600 Q. Name three deviations in the flight of the foot.
- A. Dishing (Winging-in) Rolling
Paddling (Winging-out) Rope Walking
Pounding Trappy
- S. Evans, p. 181
30. Cat. 700 Q. Lactation increases the energy requirements of a mare above maintenance by what percentage?
- A. 50 – 70%
- S. Evans, p. 218
31. Cat. 400 Q. Give two other terms for the “baby teeth” of a foal.
- A. First or temporary teeth, milk teeth, deciduous teeth
- S. Evans, p. 92

LAST QUESTION IN MATCH

32. Cat. 800 Q. At what time of the year is Yellow Star Thistle a concern when ingested by horses?
- A. Late Summer and into Fall
- S. Evans, p. 309 & FCH, p. 318

END ROUND TEN

TIE-BREAKERS #1

1. Cat. 100 Q. At what age do Thoroughbred horses compete for the Triple Crown?
 A. Three years old
 S. Evans, p. 28

2. Cat. 500 Q. In months, what is the gestation period of the Rangerbred ?
 A. Eleven months
 S. HIH, p. 940-2

3. Cat. 300 Q. What is the normal color of a horse's eye?
 A. Brown
 S. Evans, p. 82

4. Cat. 700 Q. What is the only mineral that horses have a defined appetite for?
 A. Salt or Sodium Chloride
 S. FCH, p. 75

5. Cat. 400 Q. "Sharp, prominent and well-defined," ideally describe what part of the horse?
 A. Withers
 S. HIH, p. 220-6