

Name: _____

Name _____

2020 4-H Hippology Un-Contest

Junior Test (age 8-10); Cloverbuds, give it a try if you would like

Fill in the blank to match the words in the list with their type of horse identification below

APPALOOSA	DUN FACTORS	FACE MARKING	LEG MARKING	PINTO
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1. _____ Tobiano, Overo, Splashed White
2. _____ Sock, Stocking, Coronet
3. _____ Star, Stripe, Blaze
4. _____ Snowflake, Blanket, Leopard
5. _____ Dorsal stripe, leg barring, cobwebbing

Circle YES if the statement is correct and NO if the statement is wrong

- YES NO 6. Molasses is added to feed to improve the taste.
- YES NO 7. A healthy adult horse has a temperature of 103 degrees.
- YES NO 8. A horse's gut normally makes gurgles, squeaks and rumbles.
- YES NO 9. The points include the neck, shoulder and rump.
- YES NO 10. Fescue is a healthy grain for horses.

Turn the page over to continue

Name: _____

Multiple Choice: Circle your answer

____ 11) Which gait is a slow four beat gait?

- a) Walk
- b) Trot
- c) Back

____ 12) What is the term for the reddish-brown horse with black points?

- a) Buckskin
- b) Red Dun
- c) Bay

____ 13) Which disease is caused by a horse standing in mud or manure?

- a) Navicular
- b) Thrush
- c) Strangles

____ 14) Which grooming tool is used to remove dried dirt, loose hair and mud?

- a) Body brush
- b) Grooming cloth
- c) Curry comb

____ 15) Which is a type of western riding?

- a) Hunters
- b) Reining
- c) Saddle seat

____ 15) Which is a type of western riding?

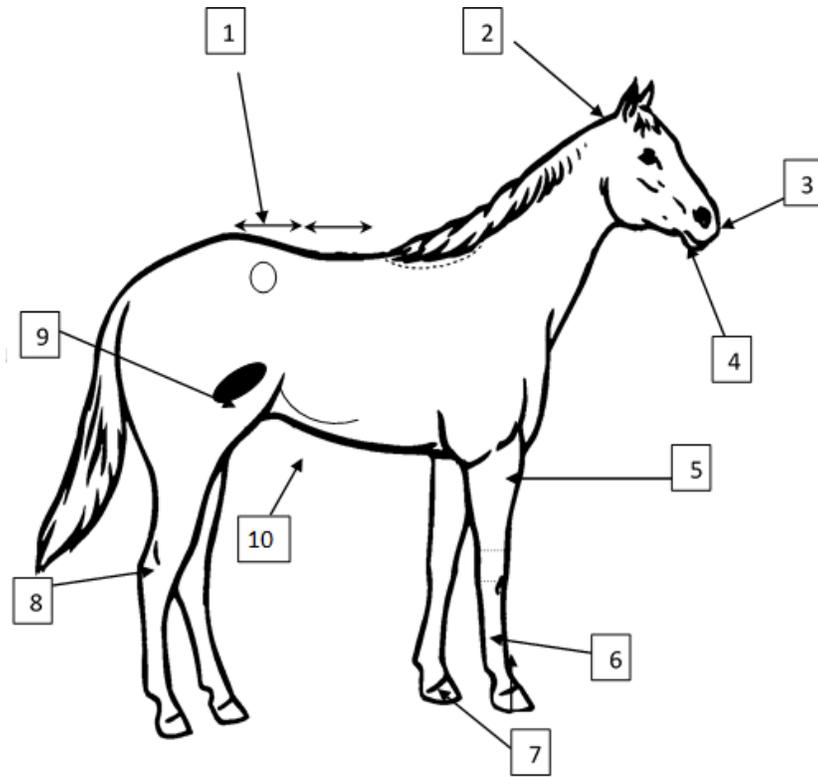
- a) Hunters
- b) Reining
- c) Saddle seat

-continue on next page-

Name: _____

Anatomy - (10 points). *Fill in the blank with the correct part name.*

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



Name: _____

2020 4-H Hippology Un-Contest

Intermediate Test (age 11-13)

Multiple Choice- **Circle the letter of your answer**

1. Which is a pony breed?
 - A.) Saddlebred
 - B.) Thoroughbred
 - C.) Welsh

2. Which color is a dilution of black or seal brown, usually with a dorsal stripe?
 - A.) chestnut
 - B.) palomino
 - C.) grulla

3. Mucous membranes such as the gums should normally have what appearance?
 - A.) pink, moist and glossy
 - B.) brick red and sticky
 - C.) yellowish and dry

4. What insect carries West Nile Virus?
 - A.) flies
 - B.) ticks
 - C.) mosquitoes

5. Which type of wound has torn rather than cut edges and may be irregular in shape:
 - A.) laceration
 - B.) puncture wound
 - C.) abrasion

6. How long is an average mare's pregnancy?
 - A.) 265-275 days
 - B.) 330-340 days
 - C.) 400-410 days

7. Which of the following is **NOT** a suitable fencing material for horses?
 - A.) barbed wire
 - B.) twisted wire
 - C.) pine board

Name: _____

8. What are the basic parts of the bridle?
 - A.) headstall, bit(s), reins
 - B.) noseband, headstall, reins
 - C.) noseband, browband, headstall

9. Which of the following gaits is four (4) beats?
 - A.) trot
 - B.) walk
 - C.) canter

10. Which of the following body parts is **NOT** part of the digestive system?
 - A.) uterus
 - B.) esophagus
 - C.) small intestine

11. What is the most important criterion when judging and placing a conformation class?
 - A.) balance
 - B.) substance of muscling
 - C.) breed quality

12. Which of the following conditions is considered a blemish?
 - A.) parrot mouth
 - B.) scar
 - C.) sidebone

13. Which of the following is **NOT** a purpose of a horseshoe?
 - A.) to provide traction
 - B.) to protect the hoof
 - C.) to allow the hoof to expand fully

14. Which grain is popular for horses due to its high fiber and relatively low energy content?
 - A.) soil type
 - B.) climate
 - C.) oats

Name: _____

Please match the following tools to their correct description. Each answer will be used only one time. **Write your answer in the space provided**

- | | |
|--------------------------|---|
| _____ 15. Grooming cloth | A. used in a circular motion to remove dried mud and loosen deep dirt |
| _____ 16. Dandy brush | B. A hard bristled brush used to flick away dirt and loose hair |
| _____ 17. Body brush | C. A soft finishing brush |
| _____ 18. Sweat scraper | D. Used for the final finishing touch to polish the coat |
| _____ 19. Curry comb | E. Removes excess water after a bath |

20. Which of the following is a nutrient?

- A.) salt
- B.) hormones
- C.) peptic acid

21. What breed of horse did **NOT** originate in Germany?

- A.) Hanoverian
- B.) Trakehner
- C.) Haflinger

22. What is an anthelmintic?

- A.) an inflammation of the bronchial tubes
- B.) an acute abdominal pain
- C.) a substance capable of destroying or eliminating parasitic worms

23. Ringworm is a fungal infection that affects what body part?

- A.) skin
- B.) hooves
- C.) intestines

24. Which of the following is **NOT** a vitamin?

- A.) A
- B.) F
- C.) K

25. Where in the horse's digestive system would you find bot larva attached?

- A.) Stomach
- B.) Small Intestine
- C.) Cecum

Name: _____

26. Which of the following is **NOT** a strategy used to prevent colic?
A.) avoid sudden changes in the feeding program
B.) having ample drinking water available at all times
C.) feeding your horse grain on bare ground
27. Which of the following is **NOT** a natural cue?
A.) hands
B.) voice
C.) crop
28. Which insect carries the bacteria responsible for Lyme Disease?
A.) black legged tick (deer tick)
B.) mosquito
C.) Horse fly
29. Which of the following is the correct order of leg bones from below the knee down to the hoof?
A.) cannon, short pastern, long pastern, coffin
B.) short pastern, long pastern, cannon, coffin
C.) cannon, long pastern, short pastern, coffin
30. What is a seven and one-half-minute (7 ½ minute) period in a polo game called?
A.) longe
B.) remuda
C.) chukker

Please match the following pieces of equipment to their correct definitions. Each answer will be used only one time. **Write your answer in the space provided**

- | | |
|------------------|---|
| ___ 31. Corona | A. A noseband on a bridle or a stiff noseband on a halter used with long strap in training. |
| ___ 32. Fenders | B. The wide pieces of leather along the stirrup leathers on a saddle. |
| ___ 33. Bosal | C. Saddle pad cut to fit shape of the saddle; has a large colorful roll around the edge. |
| ___ 34. Cavesson | D. A special knot on a hackamore. |
| ___ 35. Fiadore | E. The part of a hackamore that fits over and around the nose. |

Name: _____

Please match the following external parasite to its correct description. Each answer will be used only one time.

Write your answer in the space provided

- | | |
|-----------------------|---|
| ____ 36. Lice | A. microscopic creatures that cause mange |
| ____ 37. Face Flies | B. two types (biting & sucking) infect horses |
| ____ 38. Ticks | C. Biting flies that spread habronema larvae; lays eggs in manure and other decaying organic matter |
| ____ 39. Mites | D. flying insect that feeds on skin, nasal and eye secretions; doesn't bite |
| ____ 40. Stable Flies | E. insect that bites/attaches, sucks blood and can transmit diseases such as piroplasmosis and ehrlichiosis |

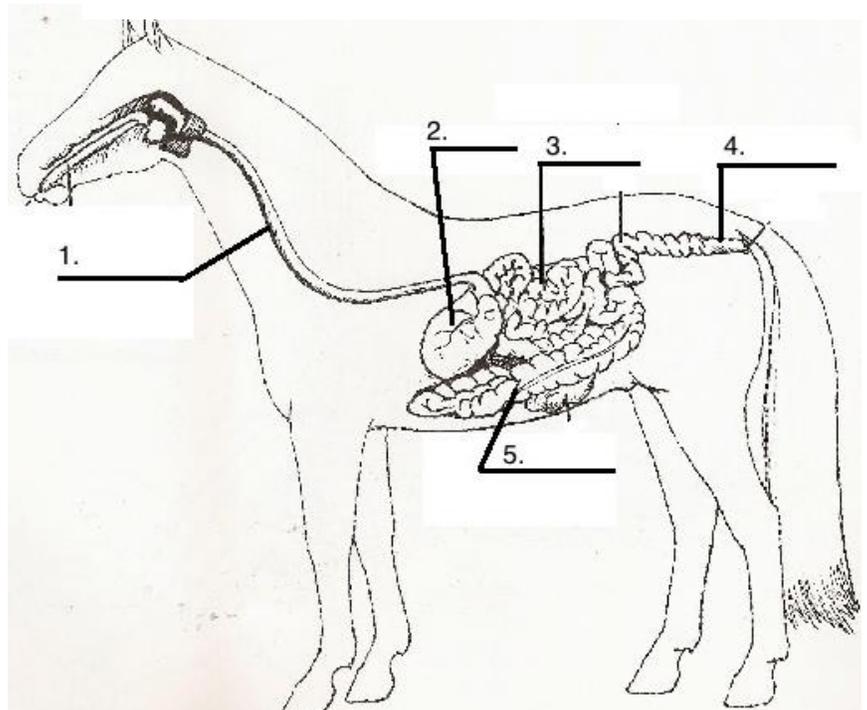
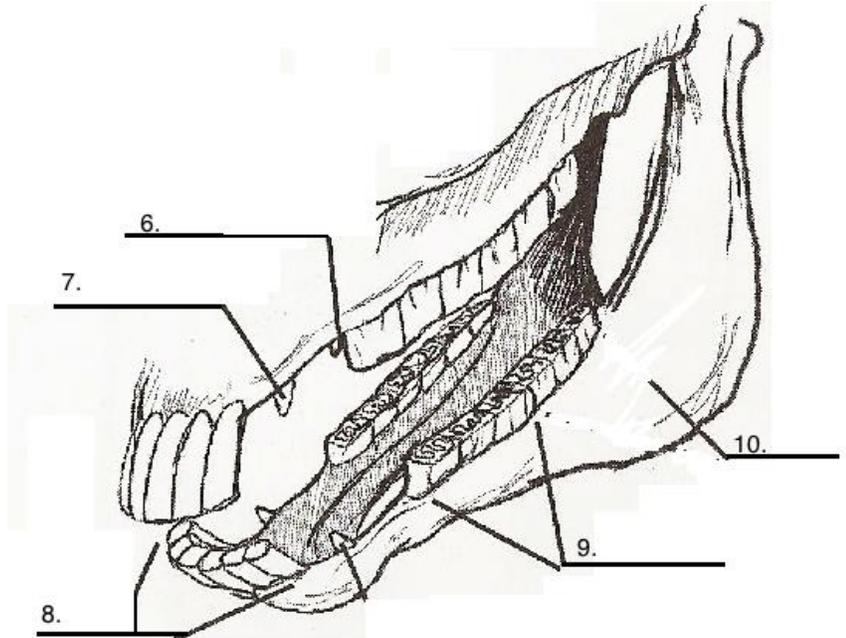
Go to the next page for anatomy

Name: _____

Anatomy - (10 points).

Teeth, Jaw and Digestive System (use the word bank). Write the letter of your answer in the space beside the number.

- A. Rectum
- B. Esophagus
- C. Cecum
- D. Stomach
- E. Small Intestine
- F. Canines
- G. Incisors
- H. Molars
- I. Wolf tooth
- J. Mandible



2020 NH State Hippology Un-Contest
Senior (50 points)

Multiple Choice

- _____ 1. Which is an appropriate way to measure a horse's weight?
- A. Weight tape
 - B. Look and guess the weight
 - C. Height X length X 10
 - D. Breed standard
- _____ 2. Which of the following healthy animals will require the most feed, assuming the horses are similar age, breed and weight?
- A. Trail horse, 1 hour walk, trot and canter work per day
 - B. Mare in last 3 months of pregnancy (no other work)
 - C. Lactating mare nursing a 2 month old foal (no other work)
 - D. Senior horse with occasional light trail riding
- _____ 3. Which disease is **NOT** caused by a *Clostridium* bacteria?
- A. Neonatal septicemia
 - B. Botulism
 - C. Strangles
 - D. Tetanus
- _____ 4. What Vaccine must every horse receive annually prior to participating in 4-H shows?
- A. Sleeping sickness
 - B. Colic
 - C. Rabies
 - D. Pneumonia
- _____ 5. An adult horse's normal resting pulse rate averages how many beats per minute?
- A. 70
 - B. 35
 - C. 10
 - D. 55
- _____ 6. The endocrine system controls what body function?
- A. Digestion
 - B. Reproduction
 - C. Growth
 - D. All of the above

Continue on reverse

- _____ 7. Which additive is used to reduce dust and improve taste in feed?
- A. Niacin
 - B. Molasses
 - C. Beet Pulp
 - D. Citrus Pulp
- _____ 8. Which of the following diseases **CANNOT** be prevented by vaccination?
- A. Equine Infectious Anemia
 - B. Tetanus
 - C. Rhinopneumonitis
 - D. Influenza
- _____ 9. Where is Galvayne's groove found?
- A. upper corner incisor
 - B. upper intermediate incisor
 - C. upper central incisor
 - D. all upper incisors
- _____ 10. Which coat pattern involves a light colored horse with egg shaped dark spots over the body?
- A. Leopard
 - B. Overo
 - C. Tobiano
 - D. Snowflake
- _____ 11. At what point during gestation do broodmares require more protein in the diet?
- A. First four months
 - B. Middle four months
 - C. Last four months
 - D. No increase in needed in protein
- _____ 12. What is the term for obstructive lodging of food in the intestine?
- A. choke
 - B. contraction
 - C. impaction
 - D. infraction
- _____ 13. What is the first step in fly control or management?
- A. Insecticide
 - B. Larvicide
 - C. Parasitic Wasps
 - D. Sanitation
- _____ 14. When the front toes turn out and the heels turn in, the horse is said to be what?
- A. splayfooted
 - B. pigeon toed
 - C. bow legged
 - D. all of the above

Continue on next page

Name: _____

- _____ 15. Which of the following is NOT a suitable fencing material for horses?
- A. barbed wire
 - B. high-tensile wire
 - C. twisted wire
 - D. pine board
- _____ 16. The skeleton of the horse is made up of how many bones?
- A. 108
 - B. 205
 - C. 260
 - D. 285
- _____ 17. Which of the following can help avoid colic?
- A. Provide access to clean fresh water at all times
 - B. Avoid sudden feed changes
 - C. Maintain a regular feeding routine
 - D. All of the above
- _____ 18. Which is a fat-soluble vitamin?
- A. vitamin A
 - B. vitamin E
 - C. vitamin K
 - D. all of the above are fat-soluble vitamins
- _____ 19. Which of the following is a grass forage?
- A. Timothy
 - B. Alfalfa
 - C. Clover
 - D. Soybeans.
- _____ 20. What is the typical gestation period of a mare?
- A. 265-275 days
 - B. 330-340 days
 - C. 398-402 days
 - D. 400-410 days
- _____ 21. Which of the following tests are used to test for Equine Infectious Anemia?
- A. Coggins
 - B. Giddings
 - C. AGID
 - D. A & C

Continue on reverse

- _____ 22. *Parascaris equorum* is the scientific name for which parasite?
- A. strongyle
 - B. common horse bot fly
 - C. ascarid
 - D. pinworm
- _____ 23. Which is **NOT** an influence on the style of horseshoe used?
- A. type of work the horse does
 - B. integrity of the horse's foot
 - C. size and weight of the horse
 - D. size and weight of the rider
- _____ 24. What is the horse's heart rate during maximum intensity exercise?
- A. 55-101 beats/minute
 - B. 120-170 beats/minute
 - C. 175-190 beats/minute
 - D. greater than 200 beats/minute
- _____ 25. How can you increase the total amount of grass produced by a pasture?
- A. Graze animals until grass is 1" tall
 - B. Rotate pastures
 - C. Refrain from mowing
 - D. Turn out horses with cattle
- _____ 26. Hay that is beige in color indicates what?
- A. Good quality horse hay
 - B. Overmaturity at harvest
 - C. Baled too wet
 - D. Presence of weeds
- _____ 27. Which type of wound has torn rather than cut edges and may be irregular in shape:
- A. laceration
 - B. puncture wound
 - C. abrasion
 - D. incised wound
- _____ 28. How many permanent teeth does a normal gelding have?
- A. 36
 - B. 40
 - C. 34
 - D. 24
- _____ 29. Which of the following is **NOT** an inherited disease?
- A. HYPP (hyperkalemic periodic paralysis)
 - B. CID (combined immunodeficiency)
 - C. Night blindness
 - D. Moon blindness (periodic ophthalmia)

Continue on next page

Name: _____

- _____ 30. What dangerous condition does your horse most likely have if its respiration rate is more than 35 breaths per minute, the pulse is 75 beats per minute and the temperature is 107 degrees F?
- A. hypothermia
 - B. hyperthermia
 - C. laminitis
 - D. this is normal
- _____ 31. How many furlongs are in a 1 mile race?
- A. 4
 - B. 6
 - C. 8
 - D. 10
- _____ 32. Which unsoundness affects the foot of the horse?
- A. Navicular disease
 - B. Curb
 - C. Bone spavin
 - D. Sweeney
- _____ 33. On the left side of a western saddle, to which strap does the cinch attach?
- A. Latigo
 - B. Cinch connector strap
 - C. Tapadero
 - D. Balding
- _____ 34. A mature female donkey is called what?
- A. Mare
 - B. Jenny
 - C. Hinny
 - D. Hessie
- _____ 35. What is the purpose of a crown knot?
- A. prevent unraveling
 - B. safely tie a horse
 - C. emergency bridle or halter
 - D. tie a hay net
- _____ 36. What causes spontaneous combustion in stored hay?
- A. moisture content under 5%
 - B. moisture content over 20%
 - C. hay stacked cut side down
 - D. over maturity at harvest

Continue on reverse

- _____ 37. Mucous membranes such as the gums should normally have what appearance?
 A. pink, moist and glossy
 B. brick red and sticky
 C. yellowish and dry
 D. moist and pale pink
- _____ 38. Which is **NOT** one of the most sensitive areas to touch on a horse?
 A. eyes
 B. nose
 C. tail
 D. ears
- _____ 39. What is the term for the first manure passed by a foal?
 A. colostrum
 B. meconium
 C. neonatal drops
 D. diarrhea
- _____ 40. Which color is a dilution of black or seal brown, usually with a dorsal stripe?
 A. bay
 B. perlino
 C. cremello
 B. grulla

41-50 Matching: Matching- Breed Type- please place the letter of the correct answer in the blank of the left. You may use a letter more than once.

- | | |
|-----------------------------------|--------------|
| 41) _____ Trakehner | a. Warmblood |
| 42) _____ Welsh | b. Draft |
| 43) _____ Percheron | c. Pony |
| 44) _____ Tennessee Walking Horse | d. Gaited |
| 45) _____ Hanoverian | |

Matching- Harness- please place the letter of your answer in the blank of the left. You will have extra words

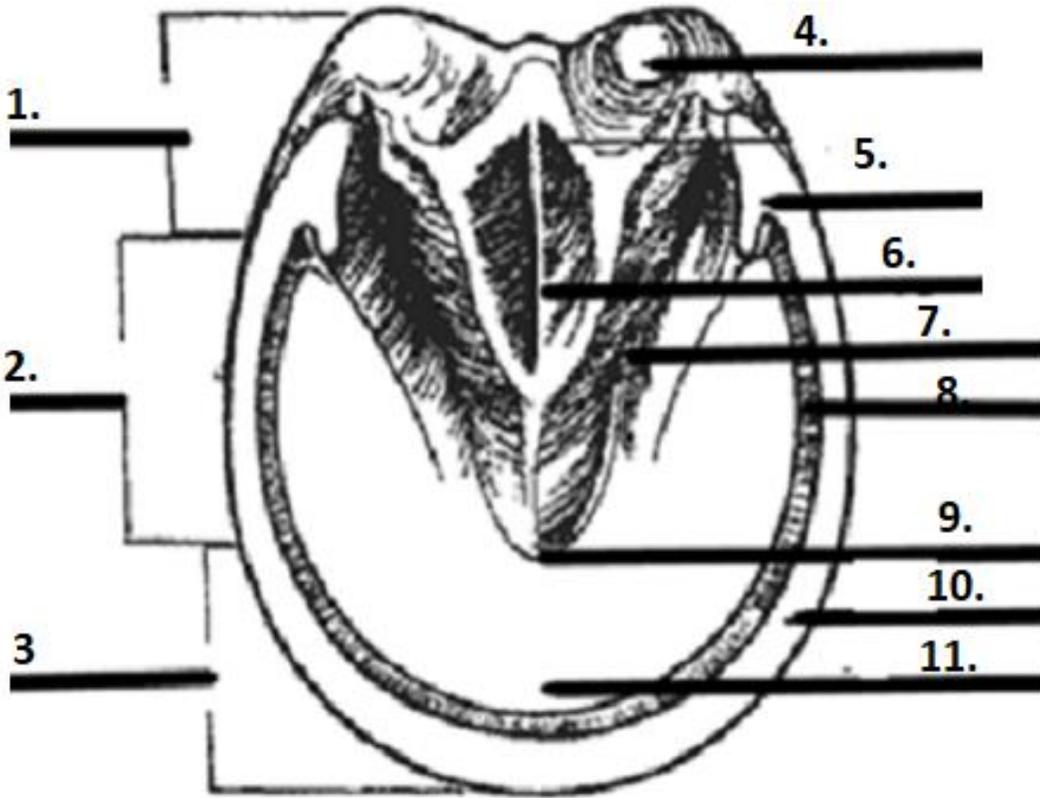
- | | |
|---|-----------------|
| 41) _____ The part that connects the collar to the singletree | a) Blinker |
| 42) _____ The rings through which the reins pass | b) Bearing rein |
| 43) _____ The eye shield of the bridle | c) Saddle |
| 44) _____ The part of the harness just behind the wither | d) Breeching |
| 45) _____ The part of the harness behind the hindquarters | e) Bosal |
| This part holds the vehicle back if there is no brake | f) Trace |
| | g) Terrett |

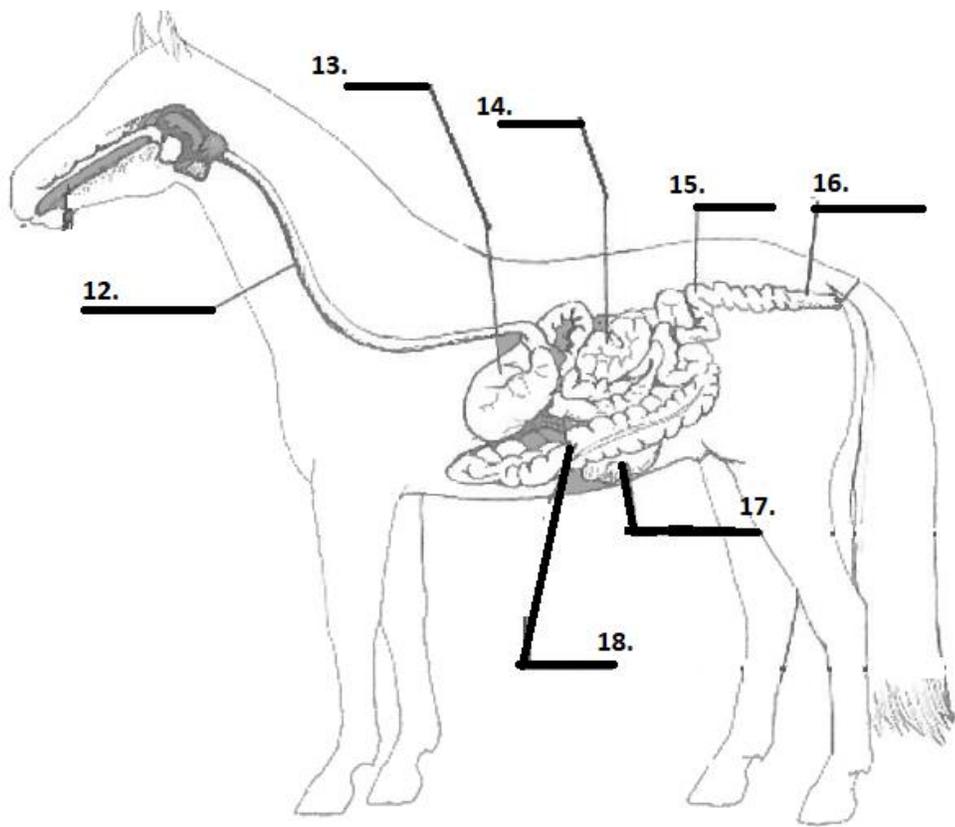
After you have checked your answers, you have finished with the written test part 1;
 Continue with part 2 - anatomy test and other contest phases (stations and team problem solving).

Name: _____ Number: _____ County: _____

Hoof Anatomy: Fill in the LETTER of the answer in the space provided.

- | | | | |
|------------------|-----------------|------------------|-------------------------------|
| A. Angle of Wall | B. Bulb of Heel | C. Cleft of Frog | D. Heel |
| E. Point of Frog | F. Quarter | G. Sole | H. Sulcus (collateral groove) |
| I. Toe | J. Wall | K. White Line | |





Continue on back of page