



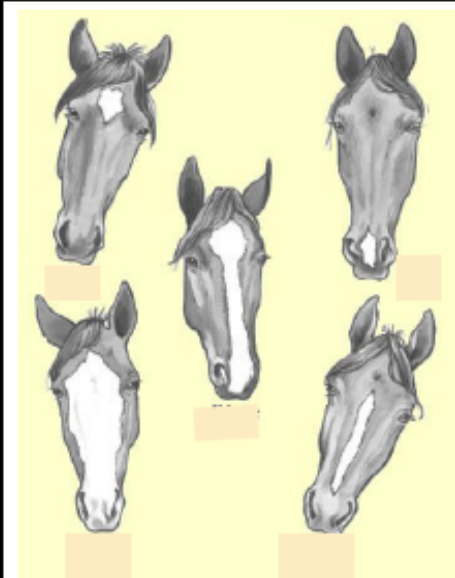
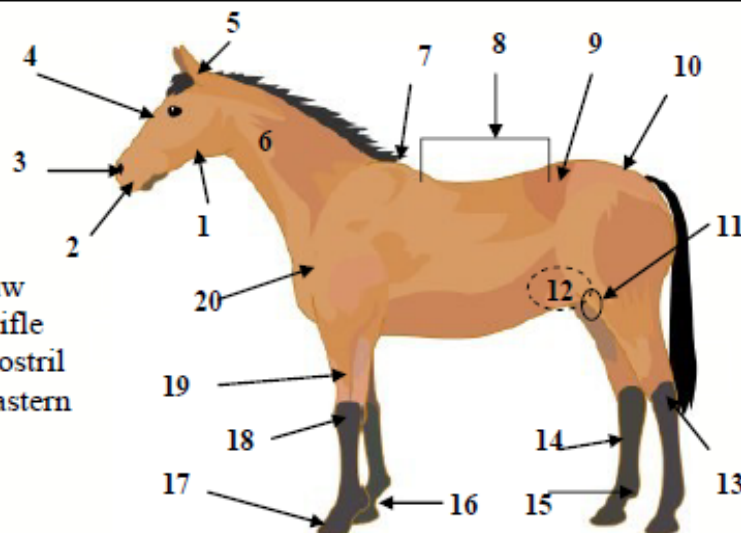
4-H Horse Activity #1



Horse Anatomy:

Identify the body parts of a horse by placing the correct letter in the blank.

___ Poll	___ Forehead	
___ Loin	___ Back	
___ Knee	___ Hoof	___ Jaw
___ Neck	___ Fetlock	___ Stifle
___ Hock	___ Croup	___ Nostril
___ Flank	___ Forearm	___ Pastern
___ Muzzle	___ Cannon	
___ Withers	___ Point of Shoulder	



Match the face pattern to the choices below

**Star
Stripe
Blaze
Snip
Bald**

Did you know?

- Horses are herbivores
- Horses teeth never stop growing
- A horse has two blind spots; one directly in front and one directly behind
- Horses cannot vomit
- You measure a horse in hands
- An average horse will live 20-25 years
- A male horse is called a stallion
- A female horse is called a mare
- A horse typically sleeps 2 1/2 to 3 hours per day
- The left side of a horse is called the "near side" and the right side is called the "off side"
- Horses generally dislike the smell of pigs!

Here is a recipe for a horse treat...

Molasses Yummies

- 1 ½ c all purpose flour
- 1 cup bran
- 1 cup molasses
- 1 cup grated carrots

Preheat oven to 375°F

In a large bowl, mix all ingredients. The mixture shouldn't be too wet and should stick together. Add more flour if necessary. Drop by teaspoonfuls on a greased cookie sheet. Grease the bottom of a glass and dip in sugar. Press the glass on top of each cookie to flatten. Bake for 10 minutes.

Developed by Melinda Birch, April 2020



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4-H Horse Activity # 2



Matching

- | | |
|--------------------|---|
| _____ Founder | A. Chronic form of bronchial asthma |
| _____ Ringworm | B. Blood test (for Equine Infectious Anemia) |
| _____ Warts | C. Foul smelling bacterial infection of the hoof |
| _____ Colic | D. Find these eggs in clusters on the legs of the horse |
| _____ Ticks | E. Animal may show signs of abdominal pain |
| _____ Bot Fly | F. Infectious skin disease caused by a fungi |
| _____ Thrush | H. Carriers of Lyme disease & Potomac Horse Fever |
| _____ Heaves | I. These grow on the skin and are caused by a virus |
| _____ Coggins Test | J. Laminitis (Inflammation of the lamina of the hoof) |



My Vital signs!

A horse's respiration (breathing) rate should be 8-20 breaths per minute.

The pulse rate (or heart rate) should be 28-40 beats per minute.

The normal temperature of a horse is between 99.5-101.5° F.

It is important to check your horse's health everyday and be observant. Your horse's appetite and manure production can give you clues to it's health.

Circle True or False

- | | | |
|--|---|---|
| A proper diet helps to keep an animal healthy | T | F |
| Unsoundness is always limited to the feet | T | F |
| One sign of colic can be kicking at the belly | T | F |
| A farrier gives horses their yearly vaccinations | T | F |
| A horse's teeth can be used to estimate age | T | F |
| Disinfecting will kill germs | T | F |
| Dusty hay is suitable for horses | T | F |

Developed by Melinda Birch, April 2020



4-H Horse Activity # 3

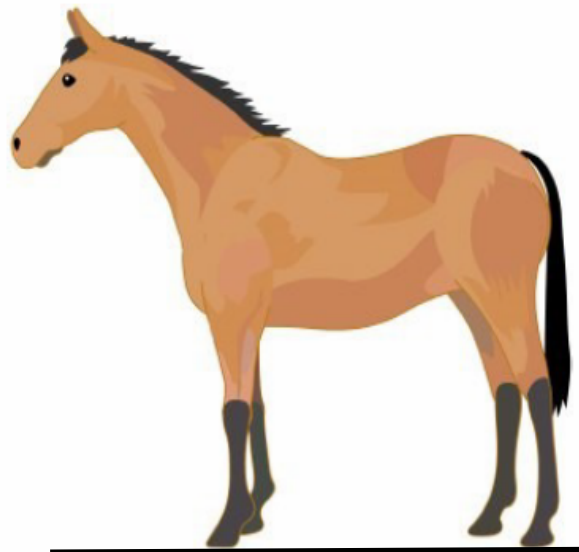


True or False (circle the correct answer)

- T or F The most accurate device to measure the height of a horse is a retractable tape measure.
- T or F 14.2 hands is the where the height changes over from mini pony to standard pony.
- T or F 58" is another way to write 14.2 hands
- T or F The number after the decimal point in a measurement corresponds to inches. For example: 15.1 hands, this horse is 15 hands plus one inch.
- T or F A horse should be measured after strenuous work
- T or F "hh" is a designation that means "hands high"
- T or F If an animal is measured with shoes on, you should deduct 1/2 inch to determine actual height.
- T or F For accuracy a horse should be measured twice, once on each side.
- T or F Your horse should be measured with the head held up

Measure up!

Draw a line from the ground to the point where you would measure this horse for height.



Questions and Conversions...

How many inches is a hand? _____

My horse is 15.2 hands. How many inches is that? _____

I have a pony that is 52" tall. How many hands is that? _____

What is the highest point that you measure on your horse (for height)? _____

Measure yourself in inches. How many hands are you? _____



Developed by Melinda Birch, April 2020



4-H Horse Activity # 4



Matching

- | | |
|--------------------------------|---|
| _____ Founder | A Chronic form of bronchial asthma |
| _____ Ringworm | B Laminitis (Inflammation of the lamina of the hoof) |
| _____ Warts | C foul smelling infection located in or near the frog |
| _____ Colic | D most damaging internal parasite |
| _____ Equine Infectious Anemia | E Commonly called "Lock-jaw" |
| _____ Strongyles | F Infectious skin disease caused by a fungi |
| _____ Navicular | G These grow on the skin and are caused by a virus |
| _____ Thrush | H Infectious disease of the upper respiratory tract |
| _____ Tetanus | I Inflammation of the membranes of the hoof |
| _____ Heaves | J Caused by a colon obstruction or gastric ulcers |
| _____ Strangles | K Inflammation of this joint causes front foot lameness |

A horse's respiration (breathing) rate should be 8-20 breaths per minute.

The pulse rate (or heart rate) should be 28-40 beats per minute.



The normal temperature of a horse is between 99.5-101.5° F.

It is important to check your horse's health everyday and be observant. Your horse's appetite and manure production can give you clues to it's health.



- | | | |
|---|---|---|
| A proper diet helps to keep an animal healthy | T | F |
| Unsoundness is always limited to the hooves | T | F |
| One sign of colic can be kicking at the belly | T | F |
| Moon blindness occurs when riding at night | T | F |
| A horse's teeth can be used to estimate age | T | F |
| Parrot mouth is a hereditary imperfection | T | F |
| Dusty hay is suitable for horses | T | F |

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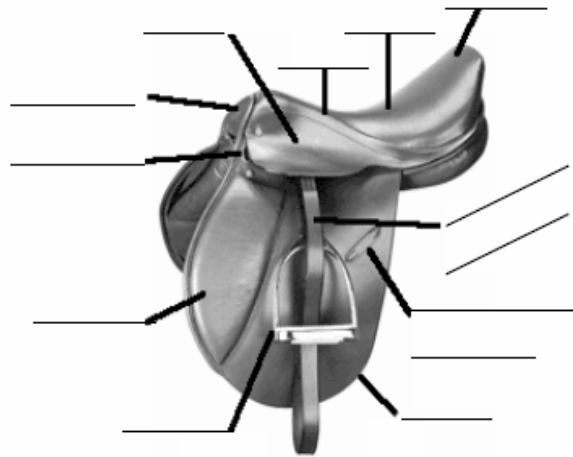
4-H Horse Activity # 5



Saddle Up!

Fill in the blanks on the English Saddle with the Word Bank provided.

Challenge:
Time yourself and your friends!



Word Bank

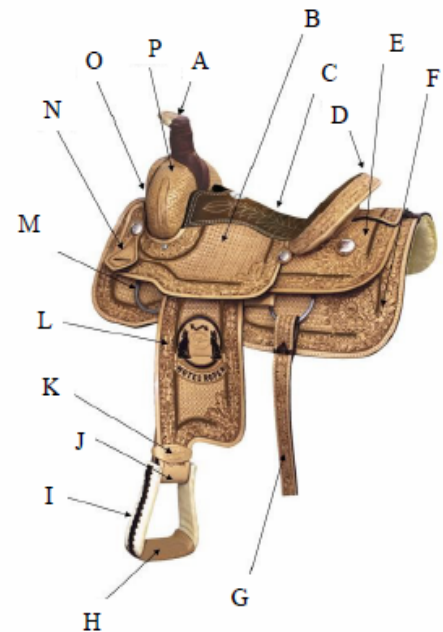
Skirt
Knee Pad
Stirrup Leather
Seat
Pommel
Cantle
Stirrup
Dee Ring
Stirrup Leather Keeper
Twist
Flap

Parts of the Western Saddle

(match the letter with the correct term)

- | | |
|-----------------------------------|------------------------------|
| _____ Latigo Keeper | _____ Seat |
| _____ Stirrup | _____ Skirt |
| _____ Leather flank girth billet | _____ Fender |
| _____ Pommel or swells | _____ Front Rigging Dee Ring |
| _____ Gullet | _____ Stirrup Leather |
| _____ Rear Jockey or Housing | _____ Horn |
| _____ Tread Cover | _____ Cantle |
| _____ Seat Jockey or Front Jockey | _____ Stirrup Leather Keeper |

Each letter corresponds to a term on the left



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4-H Horse Activity #6

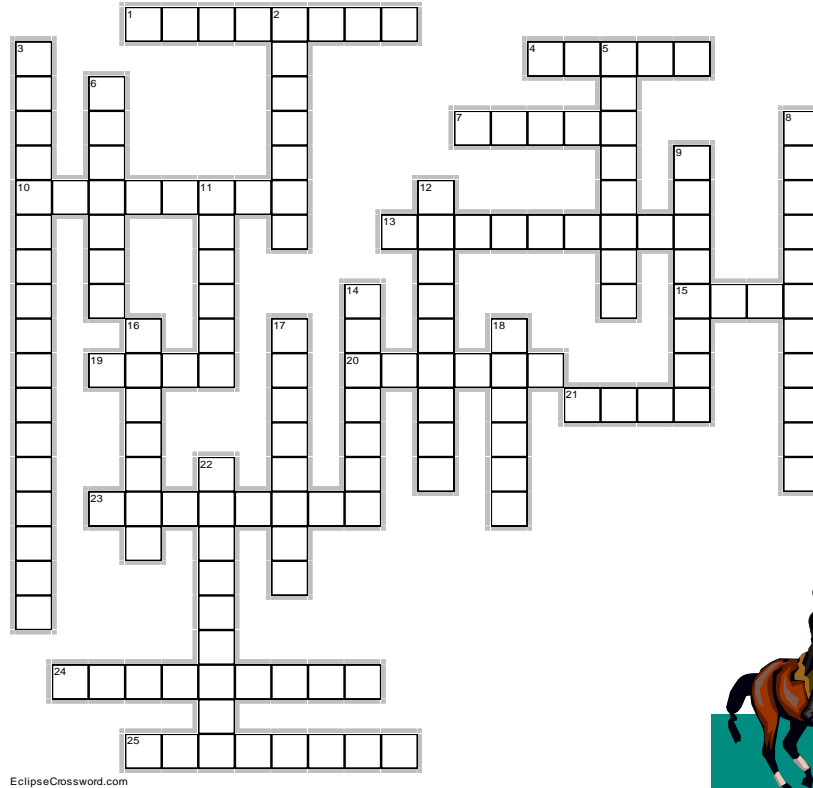


Word Search – Methods of Identification

F O D E V C P V Q D T P N B C S E E
M T I R C Z O Z U J H K D L L T Z C
Q F S O M A P O R Z A O H O P O A R
I R T L B B F X Z R A T S O F C L O
I Y A O K W T D M M U B N D R K B L
N Y L C H H T E L X N G E T E I T Z
T I S R H N T F W A E I M Y E N V T
F B P I X P M Z S B B F J P Z G K E
N U O A O O T T A T P I L I E M Y P
S G T H X G Q G B D X T H N B T O I
K K S P A S T E R N S Q F G R E A R
C H A L F S T O C K I N G X A N C T
I R H E A H H E N U R C D E N O S S
L X P I H C O R C I M C Q L D R V C
W U X D S T U N T S E H C W I O R G
O A L E C Q O C H D P V F Y N C V S
C X Z R P D A F X A N K L E G C F I
S N I P A Q Q L I T D I M P L E S U

ankle	coronet	hair color	snip
baldface	cowlicks	half-stocking	star
blaze	dimples	lip tattoo	stocking
blood typing	distal spots	microchip	stripe
chestnuts	freeze branding	pastern	

4-H Horse Activity Page #7 - Crossword



Across

1. Circular skin lesions caused by fungi
4. Skin condition caused by mites
7. Abdominal pain usually originating in the gastrointestinal tract
10. A record of a horse's ancestry
13. Strangles
15. A stallion used for breeding
19. Lays eggs typically on the fetlock area of the leg
20. A bacterial degenerative disease of the hoof
21. Wind sucking
23. Study of inheritance and breeding
24. To stimulate immunity against a specific disease
25. Abnormal calcification of the pastern bones

Down

2. A disease that affects the cervical spinal cord of young horses
3. Also called sleeping sickness
5. Autopsy on a dead animal
6. A male horse that has been altered so it cannot be used for breeding
8. *Strongyloides westeri*
9. Organism that lives in a host animal
11. Hydrophobia is another name for this
12. A soft welcoming sound made by a content horse
14. Common name is lock-jaw
16. Laminitis
17. Roundworms
18. The for the seven day period that a mare is in heat
22. The time that a mare is pregnant - about 11 months



4-H Horse Activity #8



Word Search – Unsoundness and Blemishes

Y	C	G	D	I	B	G	N	I	K	C	I	K	G	G	K	M	S	G	Z
P	E	I	I	B	T	O	S	Z	Z	X	L	N	N	N	A	J	A	T	R
T	C	N	J	U	B	J	S	Z	U	J	I	I	O	B	Z	D	L	J	T
G	A	Y	E	L	Y	I	E	O	Y	T	R	C	B	E	U	G	N	B	C
M	I	N	L	E	F	P	N	X	I	A	K	K	B	Q	N	P	L	H	G
A	N	X	X	F	W	E	D	B	O	E	Y	O	K	I	Q	E	Q	H	N
T	R	U	M	P	H	S	N	R	D	F	B	A	L	V	M	U	H	E	I
G	E	B	E	K	C	V	U	D	Z	J	I	L	K	I	Z	G	Z	A	B
N	H	P	E	C	O	W	O	W	J	Y	U	S	S	S	N	F	T	V	B
I	P	C	A	M	P	W	S	G	E	P	K	H	T	I	Q	B	H	I	I
K	O	V	H	R	N	V	N	V	R	A	E	U	K	U	L	S	T	N	R
C	L	X	I	H	R	F	U	E	H	S	V	L	C	I	L	Y	U	G	C
U	L	X	I	X	L	O	T	C	J	T	A	I	N	E	T	A	O	L	G
S	E	P	G	T	D	L	T	U	A	W	X	D	N	W	A	W	M	D	N
D	V	X	O	L	A	B	V	M	L	O	N	D	A	G	G	N	Y	J	H
N	I	N	T	H	K	I	V	L	O	E	P	Z	P	V	W	S	E	T	Y
I	L	P	Y	R	J	E	A	K	S	U	K	Q	B	O	B	R	K	Z	N
W	F	W	V	J	A	T	E	S	N	U	T	B	L	T	K	A	N	L	F
F	L	T	C	Q	S	U	L	N	E	O	D	H	A	K	J	C	O	D	O
V	R	O	Y	G	N	I	B	B	U	R	L	I	A	T	M	S	M	I	H

biting
blemishes
blindness
cribbing
fistula
halter pulling
heaving

hernia
kicking
knocked-down hip
monkey mouth
parrot mouth
poll evil
roaring

scars
stall walking
~~sweeney~~
tail rubbing
unsoundness
weaving
wind sucking

SAFETY FIRST!

Ideas for Safety talks in your club

1. How to catch, handle and lead your horse
2. How to bridle, saddle and mount your horse
3. How to safely control and ride your horse
4. Showing your horse safely and with courtesy
5. General safety measures for working with horses





4-H Horse Activity # 9



Fill in the blanks:

1. Make sure that your _____ is inspected and the tires are inflated properly.
2. Practice _____ and unloading your horse before the day of the show.
3. Don't try to load your horse when you feel _____.
4. In a two sided trailer, load the first horse on the _____ side.
5. Learn how to tie a slip _____ to tie your horse in the trailer.
6. Feed _____ grain then normal on day of trucking.
7. Get your horse used to drinking from a _____ before heading to the show.
8. Use leg _____ for trips to reduce chance of injury and fatigue.
9. Don't forget to bring your _____ and _____ to all 4-H shows!
10. Bring all necessary _____, _____, _____ to the overnight clinic.

Word bank:

More	Wraps	Left	Approval Forms
Bucket	Health papers	Feed	Trailer
Tires	Loading	Bedding	Less
4-H medals	Right	Tack	Equipment
Rushed	Knot		



Make a list of what you would put in your tack box to take to a show:

Created by Melinda Birch, April 2020



4-H Horse Activity # 10



Parts of the hoof

Identify the following structures in one or both pictures:

- _____ Frog
- _____ Butress
- _____ White line
- _____ Heel
- _____ Bar
- _____ Toe
- _____ Hoof Wall
- _____ Sole

Teeth to Identify:

- _____ Incisors
- _____ Molars
- _____ Pre-Molars
- _____ Wolf Teeth
- _____ Canines

Countries of Origin:

Many breeds have their exact beginnings lost over time, but can trace their ancestry back many years to one or two foundations of the breed. Fill in the blanks with the breed originating in that country (some countries may have more than one answer) from the word bank provided.

Refer to website: <http://www.ansi.okstate.edu/breeds/horses>

SPAIN _____

USA _____

ENGLAND _____

AUSTRIA _____ RUSSIA _____

NETHERLANDS _____ FRANCE _____

BELGIUM _____ GERMANY _____

IRELAND _____ SCOTLAND _____

Horse Breeds:

Thoroughbred
Quarter Horse
Belgian
Paso Fino
Appaloosa
Morgan
Haflinger
Clydesdale
Shire
Andalusian
Percheron
Tennessee Walker
Hanoverian
Friesian
Connemara Pony
Bashkir

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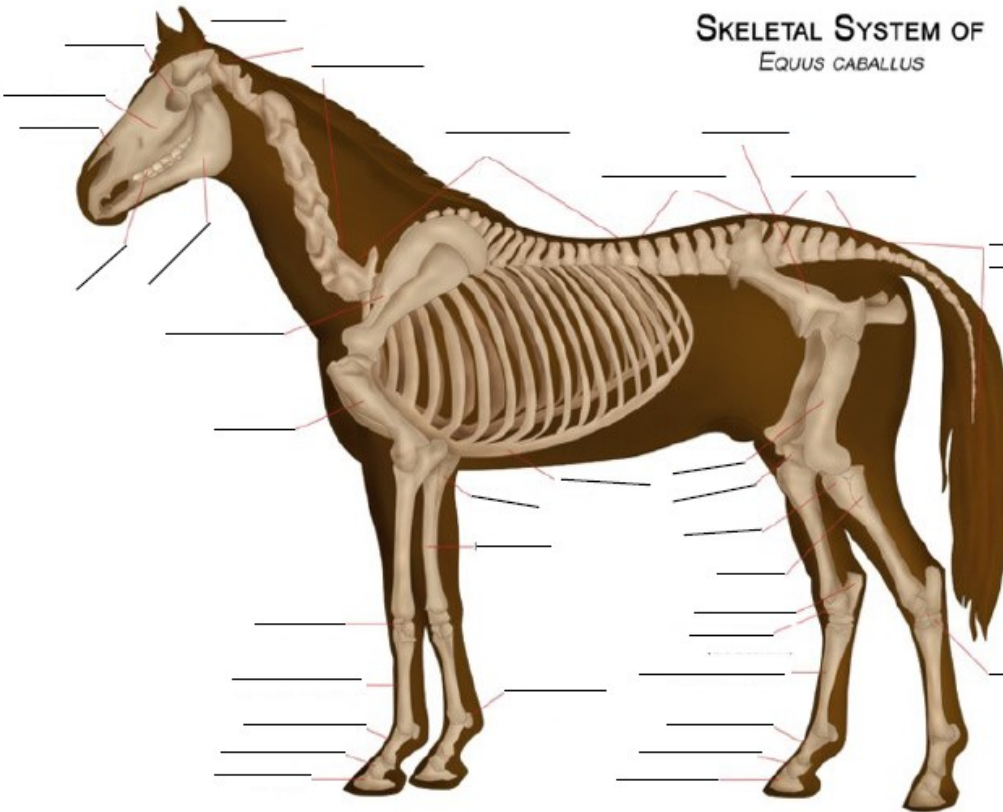


4-H Horse Activity #11



Fill in the blanks! Have fun!

SKELETAL SYSTEM OF EQUUS CABALLUS



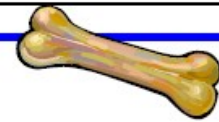
Word Bank

Cranium
Cervical Vertebrae (neck)
Thoracic Vertebrae (chest)
Lumbar Vertebrae (loin)
Pelvis
Sacral Vertebrae (pelvic)
Coccygeal Vertebrae (tail)
Tarsus
Femur
Patella (knee cap)
Tibia
Fibula
Calcaneus (fibular tarsus)
Talus (tibial tarsus bone)
Metatarsal Bone (cannon)
Metacarpal Bone (cannon)
Long Pastern Bone
Short Pastern Bone
Coffin Bone
Ribcage
Ulna
Radius
Sesamoid Bones (fetlock)
Carpus (knee)
Humerous
Scapula
Teeth
Mandible
Nasal Bone
Molar bone (cheek)
Eye Socket

Try to think of the common names for the following skeletal parts:

Sacral Vertebrae: _____
Cervical Vertebrae: _____
Metacarpal Vertebrae: _____
Thoracic Vertebrae: _____
Coccygeal Vertebrae: _____

Mandible: _____
Carpus: _____
Patella: _____
Sesamoid bones: _____
Metatarsal (or metacarpal) bone: _____



Created by Melinda Birch, April 2020



4-H Horse Activity # 12



Matching

_____	Founder	A Equine distemper
_____	Ringworm	B Laminitis (Inflammation of the lamina of the hoof), can be caused by overeating
_____	Bog Spavin	C Foul smelling infection located near or in the frog of the hoof
_____	Colic	D Most damaging internal parasite to horses
_____	Equine Infectious Anemia	E Also known as “sleeping sickness”
_____	Equine Recurrent Uveitis	F Infectious skin disease caused by a fungi
_____	Navicular	G These cause filling of the natural depression on the inside and front of the hock
_____	Thrush	H Coggins tests for this...commonly known as “swamp fever”
_____	Tetanus	I Respiratory disease in which the horse has difficulty in forcing air out of the lungs
_____	Heaves	J Could be caused by a colon obstruction or gastric ulcers
_____	Strangles	K Degeneration of this tiny bone in the hoof causes front foot lameness
_____	Equine Encephalitis	L The organism releases a powerful toxin and is found in the soil
_____	Strongyles	M Also known as “Moon-blindness”



Vital Signs to check:

Respiration:
8-20 breaths per minute

Pulse Rate:
28-40 beats per minute

Temperature:
99.5-101.5° F

Injection Types

Intramuscular (IM)
Given in the muscle of the neck, buttocks or pectoral muscles. Most vaccines are given in this manner.

Intravenous (IV)
Given when the medicine needs to go directly into the bloodstream

Subcutaneous (SQ)
Given just under the skin. Often used when giving fluids to treat dehydration.

Circle the correct answer:

- T or F Galavayne's Groove is on the inside of the hoof
- T or F Parrot-mouth is a congenital defect in which the upper incisors extend beyond the lower incisors
- T or F Fluid filled Inflammations of the hock joint causes Spavins
- T or F The stifle is the “ankle” of the horse
- T or F Parturition is the process of giving birth
- T or F Estrus in mares occurs every two weeks
- T or F The gestation period for a mare is 360 days

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4-H Horse Activity # 13



Word Search – Tooth and Hoof

V X M Z W F Z Z E M E O H S E S R O H T T A
D Z B R G S E C W O H G J D S T X C L K E O
E L P T O J S Y U H E C M E J N Q I I P M L
C D W L S D R E Y V E T M Z P D E B X D P V
I O E E M A N D I B L E E C L L L A W P O R
D B E V O O R G L A R E T A L L O C Z H R C
U D I H Q I U O M O L A R S B Q P S G O O I
O X V Q U Z P S Y E F B S T O E B L N O M C
U F P U V D X P V V F Z J B M L T T F F A B
S I E A M M O B X J G Y Q K K T D D X P N J
H L X R U H T O O T F L O W F V D H O I D F
H M B T L E V O O R G L A R T N E C B C I R
G D Q Q E U T H D E C X R U G X P H P A K B O
R Q G R C L T E E N I L E T I H W H S S B U N
U E O V E N J N R E I R R A F U N H S E H L T
A E R H P K Q T O O W Q Y W W Y K S S Z A A
M N F F S F M A O F L O A T I N G U S F R L
M I N A I L C L I N C H E S T Q E R E R J H
B N A C H R O R Y G J W W Q B F L H C A O O
A A B R Q U W A B A R O F W A L L T S X I O
Z C S Q D C T S F B D Y X I R G D D B F N K
G T G O E B X P N S T D Q P D O I P A W T K

abscesses
bar of wall
canine
central groove
collateral groove
deciduous
dental rasp
farrier

floating
frog
frontal hook
heel
hoof pick
horse shoe
mandible
molars
nail clinches

quarter
sole
speculum
temporo-mandibular joint
thrush
toe
wall
white line
wolf tooth



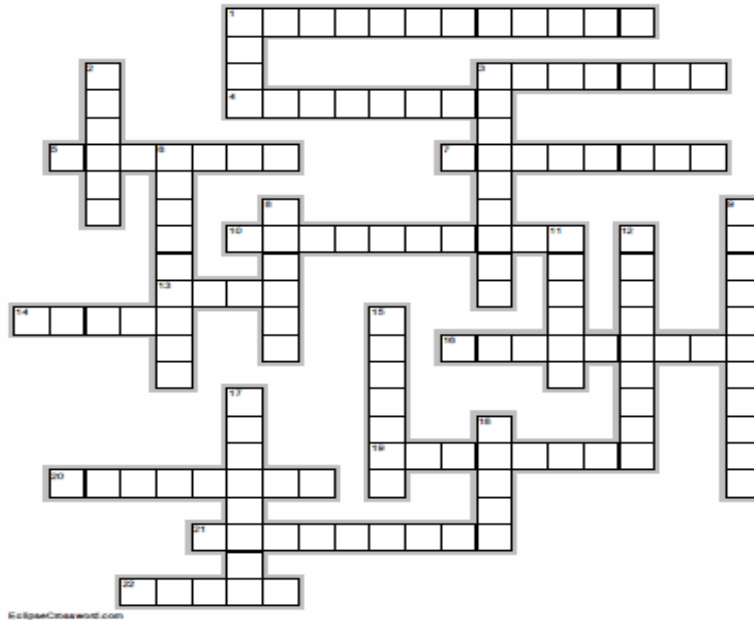
What do these tools have in common? _____

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4-H Horse Activity # 14

Crossword Puzzle



Across

1. Similar to the ankle in humans (2 words)
3. Accumulation of mineralized plaque on teeth
4. Games on horseback
5. Inflammations in the hock joint involving fluid, blood or bone
7. The cutting teeth on the front of the jaw
10. Lower leg bone between the hock and pastern (2 words)
13. Smooth area of the gums of the mouth between the incisors and molars
14. Thigh bone
16. A horse free from injury or flaws
19. An extinct genus of the modern horse
20. Filing down sharp edges of teeth
21. Small pointed teeth that sometimes appear in the bar area of the mouth (2 words)
22. A horse with little training

Down

1. The v-shaped growth on the sole of the hoof
2. Joint between cannon bone and forearm
3. Animal whose diet includes mainly meat
6. Small bones that make up the spine
8. Hock
9. Temperament of the horse
11. Pertaining to a horse
12. Inflammation of the laminae of the hoof
15. A seven and one half minute period in a polo game
17. Animal whose diet includes meat and plant material
18. The circumference of the horse's barrel

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4-H Horse Activity # 15

Horse Health Chart



Horse: _____

Date: _____ Age: _____ Gender: _____

Vaccinations: _____

Coggins Test: _____

Dewormed: _____

Respiration Rate: _____ Heart Rate: _____ Temperature: _____

Appetite: _____

Attitude: _____

Behavior: _____

Movement (Gait): _____

Posture: _____

Body Condition: _____

Skin and Coat: _____

Eyes: _____ Ears: _____ Teeth: _____

Hooves: _____

Farrier work done: _____

Manure: _____



4-H Club activity

Assign each member a horse to check over.

Make sure that a couple of members check over the same horse.

Each member will come back to compare notes with group.

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