



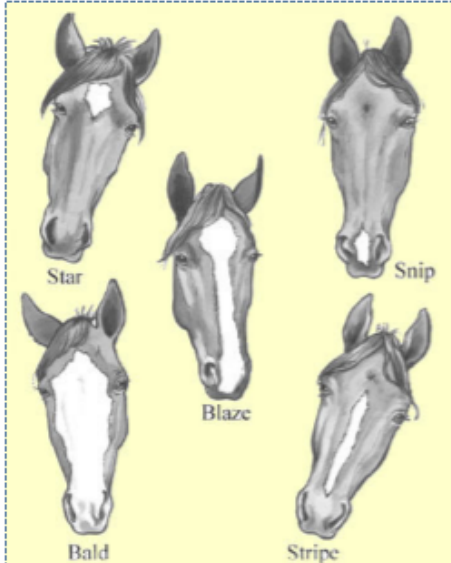
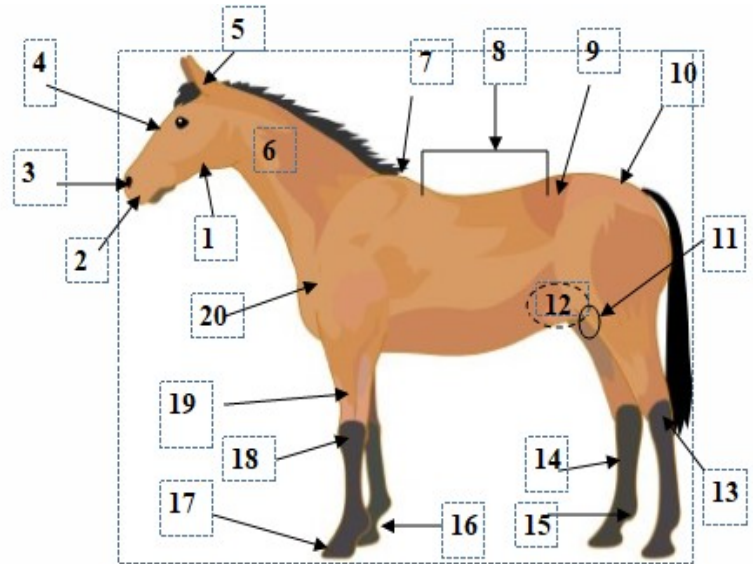
4-H Horse Activity #1

Answer key



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

- | | | |
|------------------|-----------------------------|-------------------|
| <u>5</u> Poll | <u>4</u> Forehead | |
| <u>9</u> Loin | <u>8</u> Back | |
| <u>18</u> Knee | <u>17</u> Hoof | <u>1</u> Jaw |
| <u>6</u> Neck | <u>15</u> Fetlock | <u>11</u> Stifle |
| <u>13</u> Hock | <u>10</u> Croup | <u>3</u> Nostril |
| <u>12</u> Flank | <u>19</u> Forearm | <u>16</u> Pastern |
| <u>2</u> Muzzle | <u>14</u> Cannon | |
| <u>7</u> Withers | <u>20</u> 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!

Developed by Melinda Birch, April 2020



4-H Horse Activity # 2

Answer Key



Matching

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

- | | | |
|--|----------|----------|
| 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

Answer Key

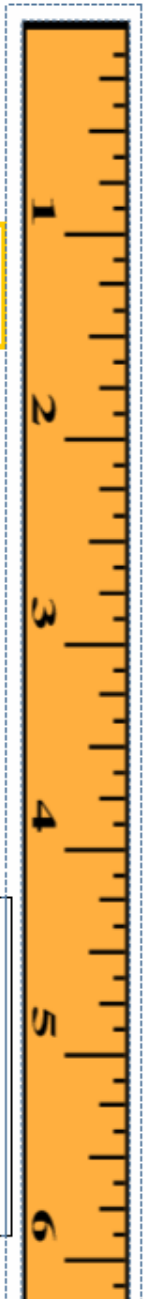
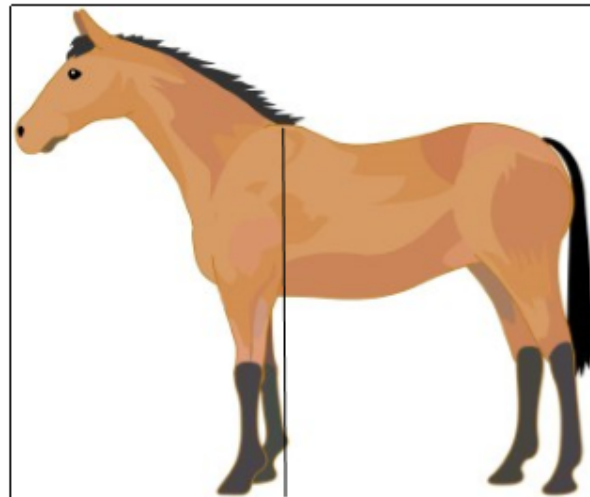


True or False (circle the correct answer)

- 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= 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 to its' highest point
- T or F** The measuring device is always put at the bottom of the horses hoof

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? 4"
- My horse is 15.2 hands. How many inches is that? 62"
- I have a pony that is 52" tall. How many hands is that? 13 hands
- What is the highest point that you measure on your horse, for height? withers
- Measure yourself in inches. How many hands are you? _____

Developed by Melinda Birch, April 2020



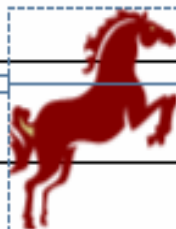
4-H Horse Activity #4

Answer Key



Matching

- | | | | |
|-------------|--------------------------|---|--|
| <u> </u> B | Founder | A | Chronic form of bronchial asthma |
| <u> </u> F | Ringworm | B | Laminitis (Inflammation of the lamina of the hoof) |
| <u> </u> G | Ascarids | C | Foul smelling infection located in or near the frog |
| <u> </u> J | Colic | D | Parasite found in the large intestine and colon |
| <u> </u> H | Equine Infectious Anemia | E | Commonly called "Lock-jaw" |
| <u> </u> D | Strongyles | F | Infectious skin disease caused by a fungi |
| <u> </u> K | Navicular | G | Parasite found in the small intestine |
| <u> </u> C | Thrush | H | Coggins Test diagnosis the presence or absence of this |
| <u> </u> E | Tetanus | I | Distemper in horses |
| <u> </u> A | Heaves | J | Caused by a colon obstruction or gastric ulcers |
| <u> </u> I | Strangles | K | Inflammation of this bone causes front foot lameness |



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

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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 condition | T | F |
| Dusty hay is suitable for horses | T | F |



4-H Horse Activity

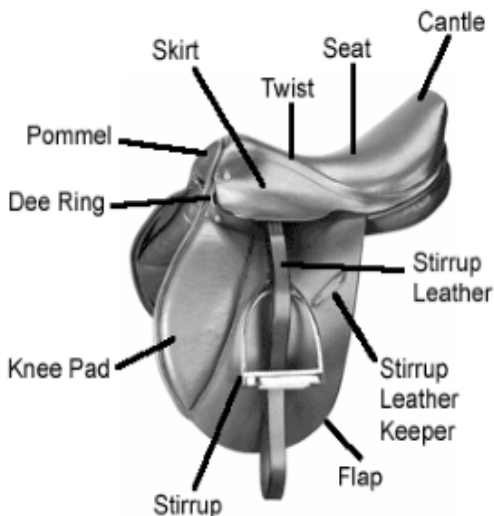
Fun Page #5 -answer key



Saddle Up!

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

Challenge:
Time yourself and your friends!



Word Bank

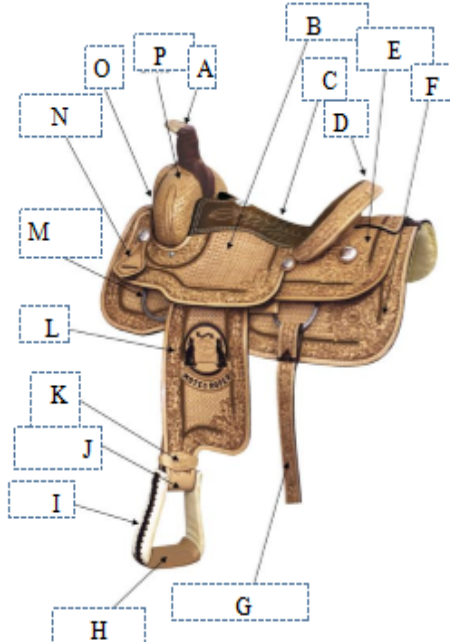
Skirt
Knee Pad
Stirrup Leather
Seat
Pommel
Cante
Stirrup
Dee Ring
Stirrup Leather Keeper
Twist
Flap

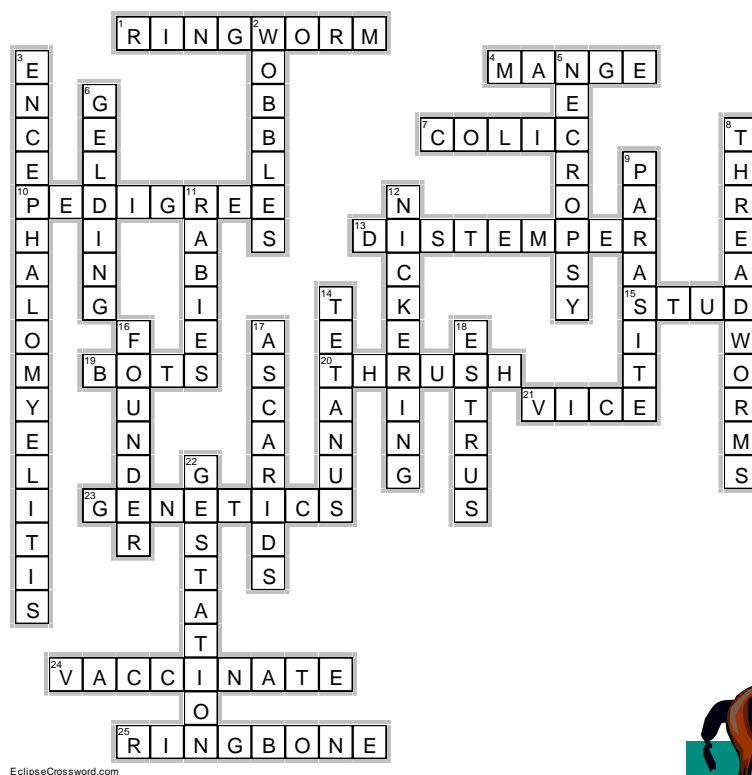
Parts of the Western Saddle

(match the letter with the correct term)

<u> N </u> Latigo Keeper	<u> C </u> Seat
<u> I </u> Stirrup	<u> F </u> Skirt
<u> G </u> Billet strap	<u> L </u> Fender
<u> P </u> Pommel or swells	<u> M </u> Front Rigging Dee Ring
<u> O </u> Gullet	<u> J </u> Stirrup Leather
<u> E </u> Rear Jockey or Housing	<u> A </u> Horn
<u> H </u> Tread Cover	<u> D </u> Cante
<u> B </u> Seat Jockey or Front Jockey	<u> K </u> Stirrup Leather Keeper

Each letter corresponds to a term on the left





EclipseCrossword.com



Across

1. **RINGWORM**—circular skin lesions caused by fungi
4. **MANGE**—skin condition caused by mites
7. **COLIC**—abdominal pain usually originating in the gastrointestinal tract
10. **PEDIGREE**—a record of a horse's ancestry
13. **DISTEMPER**—strangles
15. **STUD**—a stallion used for breeding
19. **BOTS**—lays eggs typically on the fetlock area of the leg
20. **THRUSH**—a bacterial degenerative disease of the hoof
21. **VICE**—wind sucking
23. **GENETICS**—study of inheritance and breeding
24. **VACCINATE**—to stimulate immunity against a specific disease
25. **RINGBONE**—abnormal calcification of the pastern bones

Down

2. **WOBBLER**—a disease that affects the cervical spinal cord of young horses
3. **ENCEPHALOMYELITIS**—also called sleeping sickness
5. **NECROPSY**—autopsy on a dead animal
6. **GELDING**—a male horse that has been altered so it cannot be used for breeding
8. **THREADWORMS**—strongyloides
9. **PARASITE**—organism that lives in a host animal
11. **RABIES**—hydrophobia is another name for this
12. **NICKERING**—a soft welcoming sound made by a content horse
14. **TETANUS**—common name is lock-jaw
16. **FOUNDER**—laminitis
17. **ASCARIDS**—roundworms
18. **ESTRUS**—the for the seven day period that a mare is in heat
22. **GESTATION**—the time that a mare is pregnant - about 11 months



4-H Horse Activity #9

Answer Key



Preparing to head to the show!

Fill in the blanks:

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



4-H Horse Activity #10

Answer Key



Parts of the hoof
Identify the following structures in one or both pictures:

6	Frog
5	Butress
3	White line
7	Heel
4	Bar
8	Toe
1	Hoof Wall
2	Sole

Teeth to Identify:

Incisors	4
Molars	1
Pre-Molars	2
Wolf Teeth	5
Canines	3

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 Andalusian, Paso Fino

USA Quarter Horse, Tennessee Walker, Morgan, Appaloosa

ENGLAND Thoroughbred, Shire

AUSTRIA Haflinger

RUSSIA Bashkir

NETHERLANDS Friesian

FRANCE Percheron

BELGIUM Belgian

GERMANY Hanoverian

IRELAND Connemara Pony

SCOTLAND Clydesdale

Horse Breeds:

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

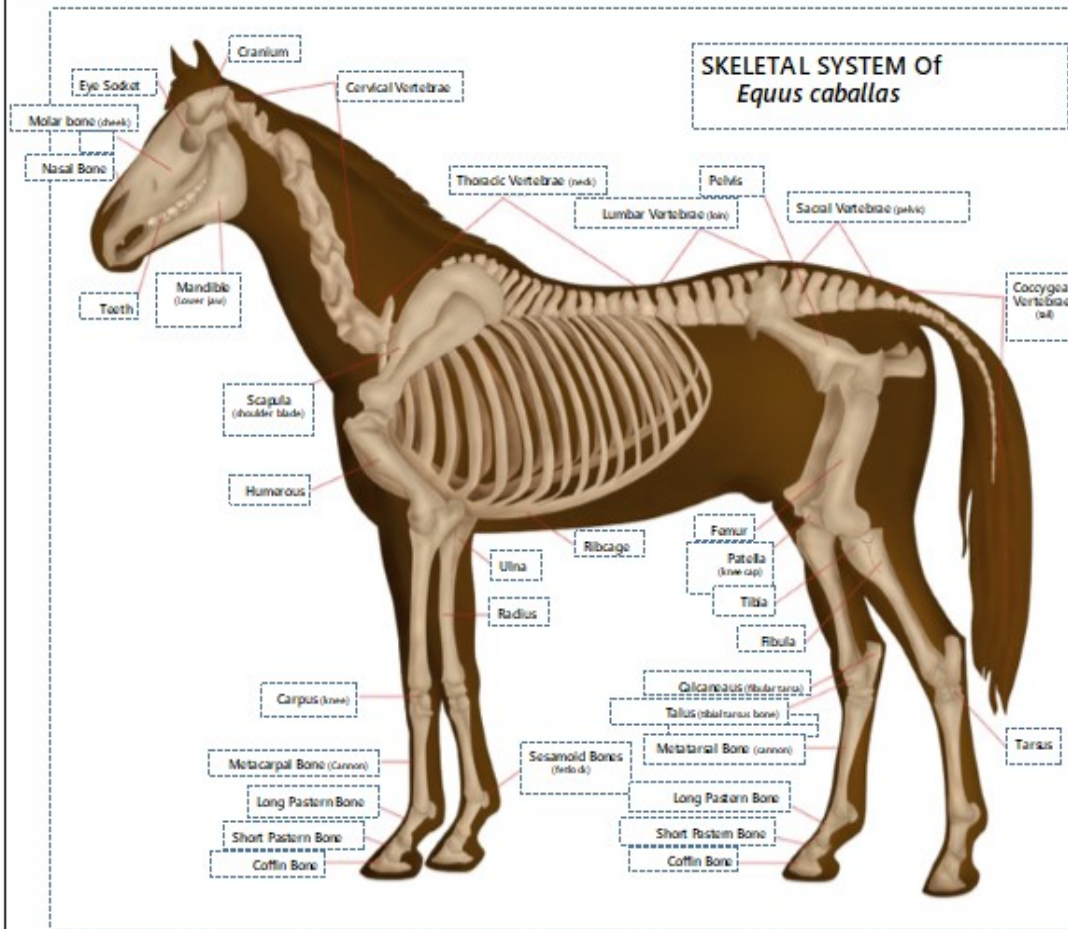


4-H Horse Activity #11

Answer Key



Fill in the blanks! Have fun!



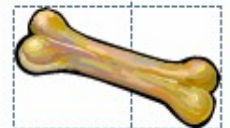
Word Bank

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)
Humerus
Scapula
Teeth
Mandible
Nasal Bone
Molar bone (cheek)
Eye Socket

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

Sacral Vertebrae: _____ Rump _____
Cervical Vertebrae: _____ Neck _____
Metacarpal Vertebrae: _____ Cannon _____
Thoracic Vertebrae: _____ Chest _____
Coccygeal Vertebrae: _____ Tail _____

Mandible: _____ Jaw _____
Carpus: _____ Knee _____
Patella: _____ Knee cap _____
Sesamoid bones: _____ Fetlock _____
Lumbar Vertebrae: _____ Loin _____





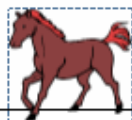
4-H Horse Activity #12

Answer Key



Matching

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

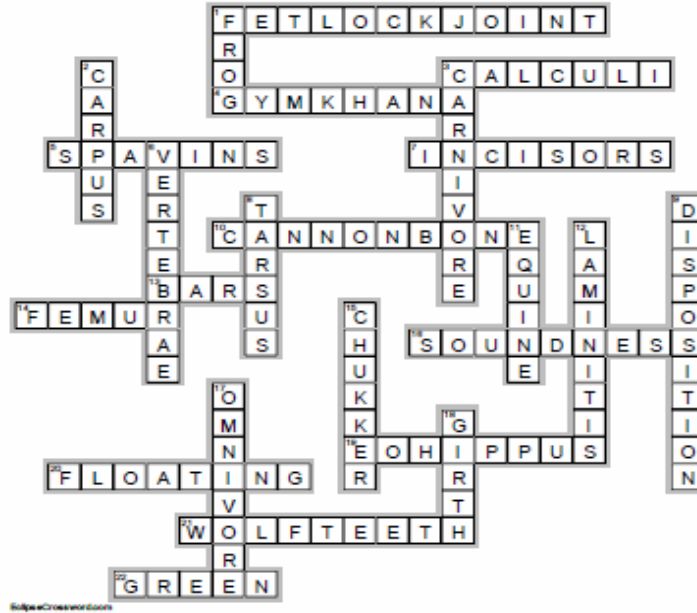
Circle the correct answer:

- T or F Galawayne's Groove is on the inside of the hoof (on a tooth)
- T or F Parr ot-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 ("knee")
- T or F Parturition is the process of giving birth
- T or F Estrus in mares occurs every 2 weeks (21 days)
- T or F Gestation period for a mare is 360 days (336 days)



4-H Horse Activity # 14

Crossword Puzzle Key



Across

1. FETLOCK JOINT—similar to the ankle in humans
3. CALCULI—accumulation of mineralized plaque on teeth
4. GYMKHANA—games on horseback
5. SPAVINS—inflammations in the hock joint involving fluid, blood or bone
7. INCISORS—the cutting teeth on the front of the jaw
10. CANNON BONE—lower leg bone between the hock and pastern
13. BARS—smooth area of the gums of the mouth between the incisors and molars
14. FEMUR—thigh bone
16. SOUNDNESS—a horse free from injury or flaws
19. EOHIPPUS—an extinct genus of the modern horse
20. FLOATING—filing down sharp edges of teeth
21. WOLF TEETH—small pointed teeth that sometimes appear in the bar area of the mouth
22. GREEN—a horse with little training

Down

1. FROG—the v-shaped growth on the sole of the hoof
2. CARPUS—joint between cannon bone and forearm
3. CARNIVORE—animal whose diet includes mainly meat
6. VERTEBRAE—small bones that make up the spine
8. TARSUS—hock
9. DISPOSITION—temperament of the horse
11. EQUINE—pertaining to a horse
12. LAMINITIS—inflammation of the laminae of the hoof
15. CHUKKER—a seven and one half minute period in a polo game
17. OMNIVORE—animal whose diet includes meat and plant material
18. GIRTH—the circumference of the horse's barrel

Created by Melinda Birch, April 2020