

# 3 KNOWLEDGE ADVANCEMENTS

1. Match the following grains (on the left) with their descriptions (on the right). Draw a line from the grain to its description.

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|-----------|--|
| A. Oats   | 1. Susceptible to ergot fungus           |
| B. Barley | 2. Easy to digest; soft and easy to roll |
| C. Corn   | 3. Must be fed crimped or rolled         |
| D. Wheat  | 4. Can be lethal when moldy              |
| E. Rye    | 5. High in energy; expensive             |

2. Name three common protein supplements.

- 1.
- 2.
- 3.

3. Name three common fat supplements.

- 1.
- 2.
- 3.

4. When should you add a supplement to your horse's diet?

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5. What are three things that you should do to ensure your horse stays healthy when the weather is cold?

- 1.
- 2.
- 3.

6. What are four health problems that are common during the hotter months of the year?

- 1.
- 2.
- 3.
- 4.

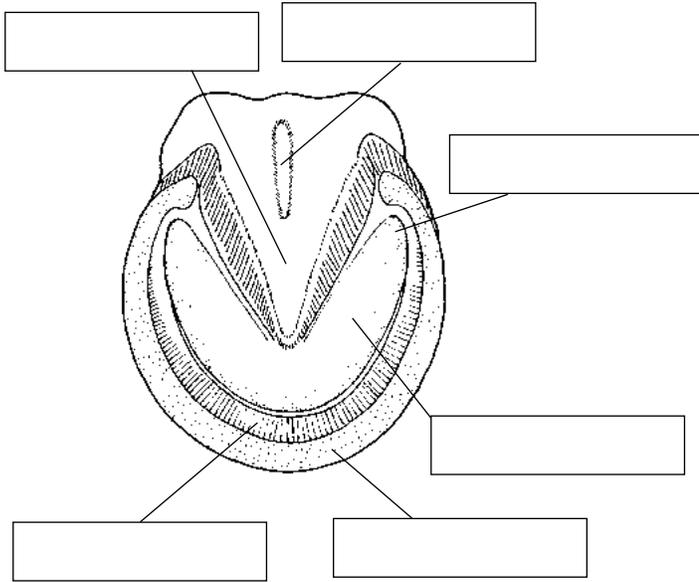
7. What are three ways that you can prevent heat-related health problems?

- 1.
- 2.
- 3.

8. Below are scenarios that depict health issues your horse may experience. Write a "Y" if you should call a veterinarian in the situation; write an "N" if you should not call a veterinarian.

- \_\_\_\_\_ Your horse has a temperature of 101 degrees Fahrenheit.
- \_\_\_\_\_ Your horse has a deep puncture wound.
- \_\_\_\_\_ Your horse appears to have a broken bone.
- \_\_\_\_\_ Your horse appears to be limping a bit.
- \_\_\_\_\_ Your horse has persistent diarrhea.
- \_\_\_\_\_ Your horse has a wound that appears to be infected.

9. Identify the following parts of the hoof. Write their names in the boxes.



10. Match the following unsoundnesses and/or conformation faults (on the left) to their definitions (on the right). Draw a line from the conformation fault/unsoundness to its definition.

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|----------------|---|
| A. Bone spavin | 1. Depression of the muscle mass in the shoulder caused by an injury to a nerve |
| B. Bog spavin  | 2. Puffy condition in the hollow of the hock                                    |
| C. Thoroughpin | 3. Soft filling of the natural depression on the inside and front of the hock   |
| D. Calf-knees  | 4. Knees that protrude too far forward when viewed from the side                |
| E. Buck-knees  | 5. Knees that break backward when viewed from the side                          |
| F. Sweeney     | 6. Bony enlargement on the inside and front of the hock                         |

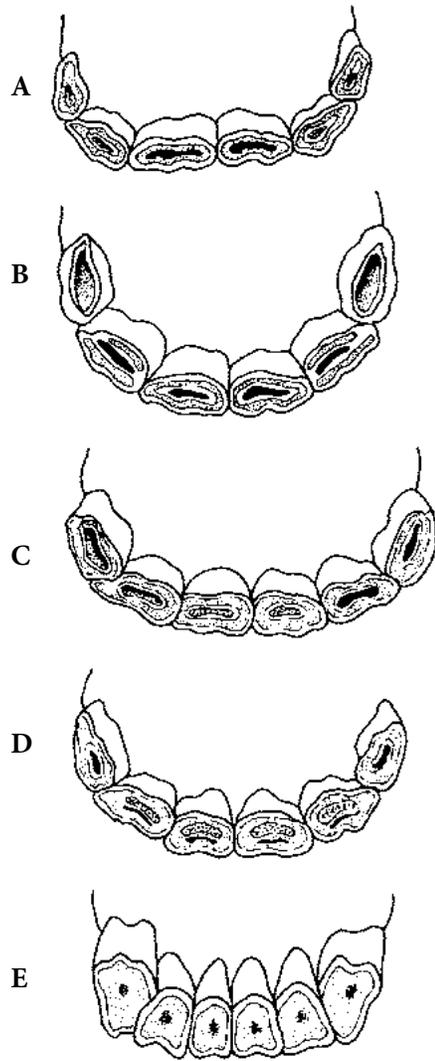
11. How many permanent teeth do adult male horses have?

\_\_\_\_\_

12. How many permanent teeth do adult female horses have?

\_\_\_\_\_

13. Put the following teeth in order from youngest to oldest. Write the order in the space provided below.



\_\_\_\_\_

\_\_\_\_\_

14. What are two ways that you can test to see if your horse is dehydrated?

- 1.
- 2.

15. Briefly describe the following stable vices.

Cribbing:

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Wood chewing:

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Weaving:

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Stall walking:

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16. What are five things that you can do to prevent a fire in your barn?

- 1.
- 2.
- 3.
- 4.
- 5.

17. Below are four things you should do if a fire ever breaks out in your barn. Number them in order, with "1" as the first thing you should do and "4" as the last.

- \_\_\_\_\_ Open one door of the stable.
- \_\_\_\_\_ Save equipment from the stable (if it is safe to go in the barn).
- \_\_\_\_\_ Lead the horses out of the stable (if it is safe to go in the barn).
- \_\_\_\_\_ Call the fire department.

18. Rate the following plants on their level of toxicity to horses. Use the following ranking system: 5 = very high toxicity, 4 = high toxicity, 3 = moderate toxicity, 2 = low toxicity, and 1 = no toxicity.

- \_\_\_\_\_ Chokecherry
- \_\_\_\_\_ Nightshade
- \_\_\_\_\_ Yew
- \_\_\_\_\_ Foxglove
- \_\_\_\_\_ Bracken fern
- \_\_\_\_\_ Water hemlock
- \_\_\_\_\_ Elderberry

# 3 KNOWLEDGE ADVANCEMENTS (contd.)

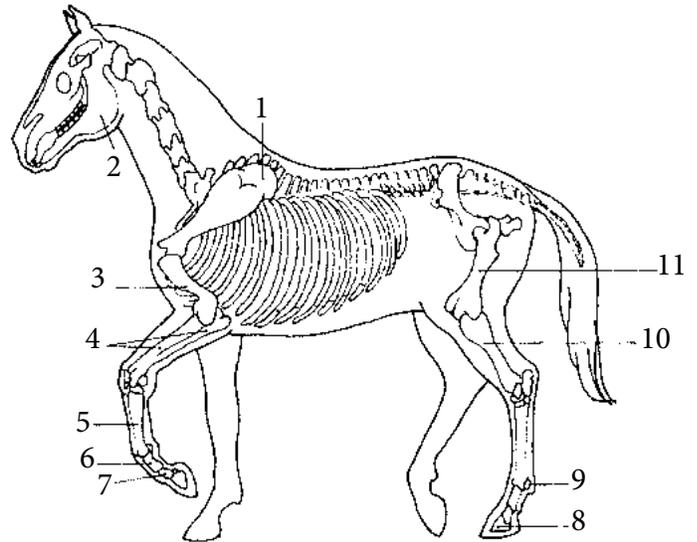
19. Below are various diseases. Circle the diseases that currently have a cure.

- West Nile virus
- Equine encephalomyelitis
- Rabies
- Tetanus
- Equine infectious anemia
- Equine influenza
- Potomac horse fever
- Strangles

20. Match the following diseases (on the left) to their descriptions (on the right). Draw a line from the disease to its description.

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|--------------|--|
| A. Tetanus   | 1. Contagious upper respiratory disease                |
| B. Strangles | 2. Caused by protozoa found in opossums                |
| C. Influenza | 3. Serious disease; also called "lockjaw"              |
| D. Rabies    | 4. Mosquito-borne virus; causes encephalitis           |
| E. EPM       | 5. Common viral respiratory disease                    |
| F. EIA       | 6. Seasonal disease; occurs mostly in summer           |
| G. PHF       | 7. Rare disease; 100% fatal                            |
| H. West Nile | 8. Also called "swamp fever;" no vaccine to prevent it |

21. Identify the following parts of the horse's skeleton. Write their names below.



1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_

# KNOWLEDGE ADVANCEMENTS (contd.)

22. Briefly describe the following common hoof problems.

Thrush:

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White line disease:

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Sand cracks:

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Laminitis:

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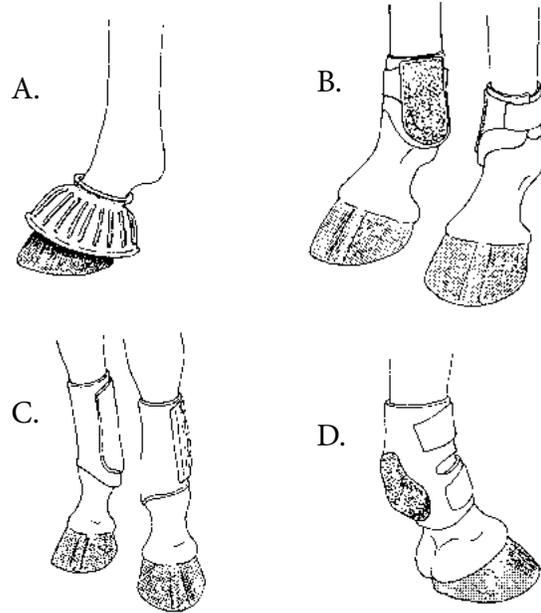
Navicular disease:

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23. Name the following boots and give an example of when you would use each type.



A. Name: \_\_\_\_\_

Use: \_\_\_\_\_

B. Name: \_\_\_\_\_

Use: \_\_\_\_\_

C. Name: \_\_\_\_\_

Use: \_\_\_\_\_

D. Name: \_\_\_\_\_

Use: \_\_\_\_\_

**Congratulations! You have successfully completed Level 3 of the Knowledge Advancements!**

\_\_\_\_\_  
*Name of Club Member*

has satisfactorily completed all of the above knowledge elements and has, therefore, completed Level 3 of the Oregon 4-H Knowledge Advancements.

Leader's Signature: \_\_\_\_\_

Date Approved: \_\_\_\_\_

# 3 GROUND WORK ADVANCEMENTS

1. Explain how you can tell whether a horse's halter is correctly adjusted and why an incorrectly adjusted halter is unsafe.

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2. Describe the proper position for a longe whip at the following gaits while longeing your horse:

1. Walk:
2. Trot:
3. Canter:

3. Why should you not use a lead rope to longe a colt?

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4. Ask your club leader to watch you perform the following ground work elements and sign off that you perform them accurately and safely.

Element	Date Completed	Leader's Initials
Sidepass the correct number of steps (both directions)		
Perform a 360-degree forehand turn (both directions)		
Perform a 360-degree haunch turn (both directions)		
Lead your horse from the off side at a trot		
Back your horse around a cone		
Work horse at all gaits on the longe line		
Clip your horse		

**Congratulations! You have successfully completed Level 3 of the Ground Work Advancements!**

\_\_\_\_\_ has satisfactorily completed all of the above ground work elements and has, therefore, completed Level 3 of the Oregon 4-H Ground Work Advancements.

*Name of Club Member*

Leader's Signature: \_\_\_\_\_ Date Approved: \_\_\_\_\_

# 3 RIDING ADVANCEMENTS

1. Describe what is meant by the term “light hand” and why a light hand is beneficial to the horse.

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2. Ask your club leader to watch you perform the following riding elements and sign off that you perform them accurately and safely.

Element	Date Completed	Leader's Initials
Pick up a jog/trot from a standing position (Dad Potter Step #6)		
Pick up a canter/lope from halt (both leads)		
Perform a figure 8 at a canter/lope, executing an interrupted change of lead (Dad Potter Step #8)		
Perform an interrupted change of lead on a straight line		
Perform a figure 8 at a canter/lope, executing a flying change of lead		
Perform two flying lead changes on a straight line (Dad Potter Step #10)		
Hand gallop (both directions)		
Perform a figure 8, executing a flying lead change, then continue on to 2 circles to the left/right, another lead change, then 2 circles in the other direction (Dad Potter Step #6)		
Two track (both directions) (Dad Potter Step #5)		
Demonstrate collection at all gaits		

**Congratulations! You have successfully completed Level 3 of the Riding Advancements!**

\_\_\_\_\_ has satisfactorily completed all of the above riding elements and  
*Name of Club Member* has, therefore, completed Level 3 of the Oregon 4-H Riding Advancements.

Leader's Signature: \_\_\_\_\_ Date Approved: \_\_\_\_\_

# 3 PERSONAL DEVELOPMENT ADVANCEMENTS

Members should complete at least two personal development options each year. Indicate the personal development options that you complete and ask your leader to sign off that you have completed them.

Option	Date Completed	Leader's Signature
Serve as a club officer	_____	_____
Serve as a teen leader	_____	_____
Be a teen counselor at a 4-H camp	_____	_____
Serve on a state planning committee	_____	_____
Serve as teen staff at State Fair	_____	_____
Write a news story for a local newspaper	_____	_____
Discuss preventative medicine with a veterinarian	_____	_____
Have a feed, soil, or fecal sample analyzed	_____	_____
Make an emergency plan for your barn	_____	_____
Conduct a safety inspection of your stall/barn	_____	_____
Interview a professional in a horse career	_____	_____
Give a presentation	_____	_____
Create an educational display	_____	_____
Participate in a judging contest	_____	_____
Participate in a hippology contest	_____	_____
Participate in a horse bowl contest	_____	_____
Participate in your county fair	_____	_____
Participate in a community service project	_____	_____
Conduct a horse-related science inquiry	_____	_____
Other: _____	_____	_____
Other: _____	_____	_____
Other: _____	_____	_____

**Congratulations! You have successfully completed Level 3 of the Personal Development Advancements!**

_____ <i>Name of Club Member</i>	has satisfactorily performed the required amount of personal development options listed above and has, therefore, completed Level 3 of the Oregon 4-H Personal Development Advancements.
Leader's Signature: _____	Date Approved: _____