

Name \_\_\_\_\_

Club \_\_\_\_\_

Age \_\_\_\_\_ (as of January 1)

St. Joseph County 4-H Youth Program

Year 3

4-H Horse Science Project



**Year 3** 4-H Horse Science Project exhibit requirements are as follows:

- ❖ 4-H Horse Project Story and photographs.
- ❖ Parts of the hoof and leg, and their defects.
- ❖ Types of bedding
- ❖ External parasites.
- ❖ Feeding program.
- ❖ Definitions.
- ❖ Horse Project-related experiences.
- ❖ Up-to-date "Member's Personal 4-H Record". Bulletin is available at the MSU Extension office, 612 E. Main St., Centreville, Michigan.

**Attention:** Project materials must be exhibited in a three-ring binder notebook. Each consecutive year's Horse Science Project work should be added to the notebook, with labeled dividers placed between each year's work (i.e. Year 1, Year 2, Year 3, etc.). Member's name, birth date, address and phone number must be listed on inside front notebook cover.



Pictures of you and your horse

# STABLE RECORD

Horse \_\_\_\_\_ Age \_\_\_\_\_ Weight \_\_\_\_\_

Height \_\_\_\_\_ Normal pulse \_\_\_\_\_ temperature \_\_\_\_\_

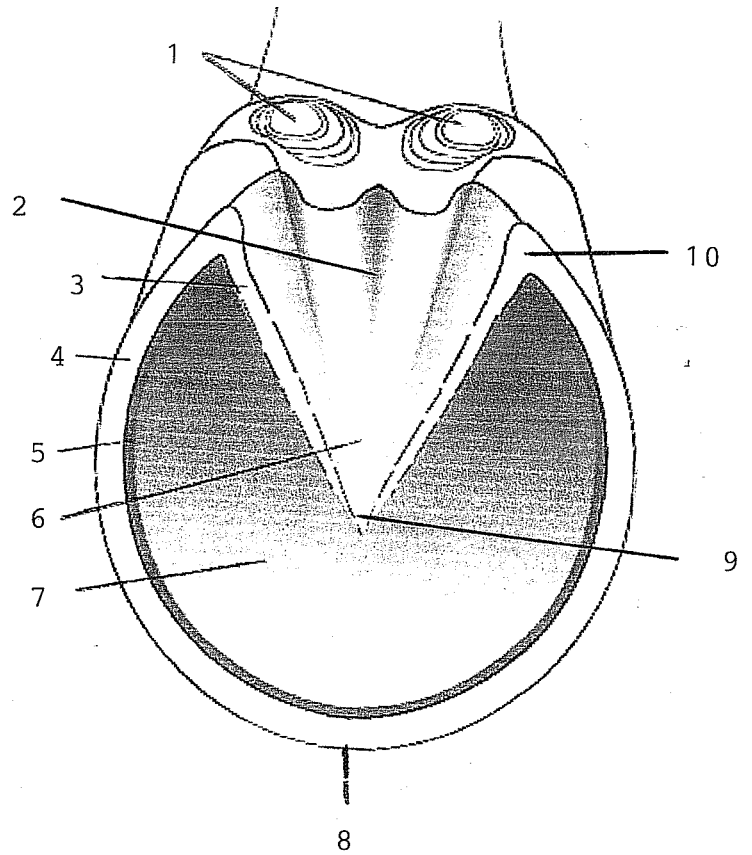
Respiration \_\_\_\_\_ Owner \_\_\_\_\_

DATE
------

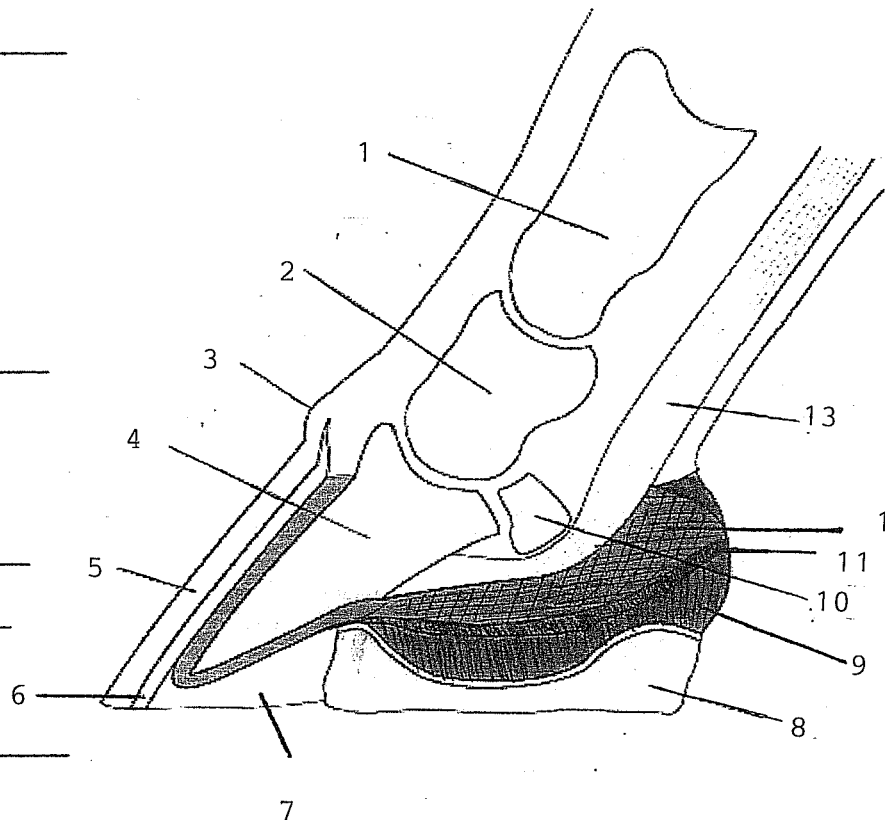
worming							
tubed							
flu vaccine							
eastern/ western							
tetanus							
farrier							
rabies							
rhinomune							
coggins							
teeth floated							
other							

A. Match the numbers on the drawings to the correct term in the column on the left.

- a. Toe \_\_\_\_\_
- b. Bulb \_\_\_\_\_
- c. Cleft of frog \_\_\_\_\_
- d. Wall \_\_\_\_\_
- e. Sole \_\_\_\_\_
- f. White line \_\_\_\_\_
- g. Bar \_\_\_\_\_
- h. Point of frog \_\_\_\_\_
- i. Heel \_\_\_\_\_
- j. Frog \_\_\_\_\_



- a. Deep Flexor Tendon \_\_\_\_\_
- b. White line \_\_\_\_\_
- c. Sole \_\_\_\_\_
- d. Sensitive frog \_\_\_\_\_
- e. Navicular bone \_\_\_\_\_
- f. Long Pastern bone \_\_\_\_\_
- g. Frog \_\_\_\_\_
- h. Coronary band \_\_\_\_\_
- i. Insensitive frog \_\_\_\_\_
- j. Plantar cushion \_\_\_\_\_
- k. Hoof wall \_\_\_\_\_
- l. Short Pastern bone \_\_\_\_\_
- m. Coffin bone \_\_\_\_\_



B. Describe each of the following hoof problems.

1. founder \_\_\_\_\_

\_\_\_\_\_

2. Thrush \_\_\_\_\_

\_\_\_\_\_

3. gravel \_\_\_\_\_

\_\_\_\_\_

4. corns \_\_\_\_\_

\_\_\_\_\_

5. ringbone \_\_\_\_\_

\_\_\_\_\_

6. navicular disease \_\_\_\_\_

\_\_\_\_\_

7. cracks \_\_\_\_\_

\_\_\_\_\_

8. contracted heels \_\_\_\_\_

\_\_\_\_\_

C. Describe each of the following defects and tell how each would affect the horse's way of going or ability to perform.

1. Toes-in (pigeon toed) \_\_\_\_\_

---

---

---

2. Toes-out (splay footed) \_\_\_\_\_

---

---

---

3. Base wide \_\_\_\_\_

---

---

---

4. Base narrow \_\_\_\_\_

---

---

---

5. Back at the knee (calf kneed) \_\_\_\_\_

---

---

---

6. Over at the knee (buck kneed) \_\_\_\_\_

---

---

---

C. con't-

7. Cow hocked \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Sickle hocked \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

9. Straight hocked (post legged) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

D. List three types of bedding that you might use according to absorption value and efficiency.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

E. List five different kinds of external parasites.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_





G. Tell a little about each of the following internal parasites (include life cycles).

1. Strongyls \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Ascarids \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Bots \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Pinworms \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

H. Define the following terms.

1. Action \_\_\_\_\_  
\_\_\_\_\_

2. Collected \_\_\_\_\_  
\_\_\_\_\_

3. Crow hops \_\_\_\_\_  
\_\_\_\_\_

4. Appointments \_\_\_\_\_  
\_\_\_\_\_

5. Castration \_\_\_\_\_  
\_\_\_\_\_

6. Corona \_\_\_\_\_  
\_\_\_\_\_

H. Con't-

7. Barren mare \_\_\_\_\_

8. Chestnuts \_\_\_\_\_

9. Cribbing \_\_\_\_\_

I. Additional Experiences in 4-H.

1. List one demonstration that you did at a 4-H club meeting.

Date

Demonstration

\_\_\_\_\_

2. Describe how you used 4-H horsemanship information in school community situations.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. What other riding activities have you done that are of special interest.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

J. Personal Member Record Book.