



# 4-H Swine

Jasper County  
B  
Grade 6

Name: \_\_\_\_\_ 4-H Club \_\_\_\_\_

1. \_\_\_\_\_ was the person who first introduced pigs to North America in what year?
  - a. 7000 B.C.
  - b. 1492
  - c. 1500
  - d. 1539
  - e. 1825
  
2. The foundation for the modern U.S. pork industry was the introduction of the Old World's \_\_\_\_\_ to the New World's \_\_\_\_\_.
  
3. Name four things you should know after deciding to take a 4-H swine market and or breeding project:
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
  - d. \_\_\_\_\_
  
4. Which breed of hog originated in Butler and Warren counties in Ohio? \_\_\_\_\_
  
5. Structural \_\_\_\_\_ and \_\_\_\_\_ are important for profitable pork production.
  
6. The presence of the Napole Gene is associated with what three muscle qualities?
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_

7. In regards to the stress gene, match the genotypes below:

\_\_\_\_\_ nn

a. Stress Carriers

\_\_\_\_\_ Nn

b. Normal

\_\_\_\_\_ NN

c. Stress Positive

8. Which of the above produces the carcass with the highest amount of lean? \_\_\_\_\_

Which produces pale, soft, exudative carcasses more than 90% of the time? \_\_\_\_\_

9. LMA stands for \_\_\_\_\_

10. The average loin muscle area in swine is between \_\_\_\_\_ and \_\_\_\_\_ square inches.

11. Why don't packing companies split the loin to assess loin muscle area?

\_\_\_\_\_

What do packing companies do instead of splitting the loin? \_\_\_\_\_

12. It is estimated that 90% or more of the swine herds in the United States are infected with this chronic disease. \_\_\_\_\_

13. Infection with internal parasites is usually acquired by \_\_\_\_\_.

14. Due to their colorblindness, hogs have extreme sensitivity to \_\_\_\_\_.

- a. Colors
- b. Contrast
- c. Clarity
- d. Corn

15. Swine are cautious when moving from one type of \_\_\_\_\_ to another.

16. List three items of equipment that an animal handler can use to protect themselves when working with livestock.

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_

Answers to these questions can be found in the "Swine Resource Handbook" 4-H 134 R