



# 4-H Swine

Jasper County  
B  
Grade 10

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

1. Match the following feed ingredients with their nutrient group.

- |                        |                          |             |
|------------------------|--------------------------|-------------|
| _____ Beet Pulp        | _____ H <sub>2</sub> O   | a. Energy   |
| _____ Blood Meal       | _____ Vitamin Pre-Mix    | b. Minerals |
| _____ Bone Meal        | _____ Wheat              | c. Protein  |
| _____ Cottonseed Meal  | _____ White Salt         | d. Vitamins |
| _____ Distillers Grain | _____ Whole Grain Barley | e. Water    |

2. Match the feed ingredient with its identifying characteristic.

- |                           |  |
|---------------------------|--|
| _____ Brewer's Grain      | a. By-product from removing starch, oil & germ from corn |
| _____ Corn Gluten Meal    | b. Look for dark specks from the outer coat of soybeans  |
| _____ Dicalcium Phosphate | c. Common cereal grain fed for its fiber                 |
| _____ Linseed Meal        | d. By-product from making beer                           |
| _____ Soybean Hulls       | e. Round, bead-like grain                                |
| _____ Urea                | f. Small bead-like particles                             |
| _____ Whole Grain Oats    | g. Looks like small rocks of uniform sizes               |
| _____ Whole Grain Sorghum | h. By-product from removing oil from flaxseed            |

3. Which of the following are **not** factors that can influence the pig's growth rate and nutrient requirements? (Circle all that apply)

- a. Genetics
- b. Health
- c. Color
- d. Environment

4. What % of the following nutrients should be fed to a high lean-gain, grower-finisher gilt weighing 150 to 200 pounds?

- a. Protein: \_\_\_\_\_
- b. Amino Acids \_\_\_\_\_
- c. Calcium \_\_\_\_\_
- d. Phosphorus \_\_\_\_\_
- e. Salt \_\_\_\_\_

5. Developing breeding gilts should be fed higher dietary levels of what seven nutrients than market hogs?

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

- e. \_\_\_\_\_
- f. \_\_\_\_\_
- g. \_\_\_\_\_

6. When gilts are thin at breeding, what provision is recommended? \_\_\_\_\_  
\_\_\_\_\_

7. What is the estimated feed intake for a high producing parity 4 sow with a gestation weight gain of 70-100 pounds and a body condition score of 3? \_\_\_\_\_

8. What are the three primary objectives of nutrition of a lactating sow?

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

9. Nutrient requirements for a lactating sow are \_\_\_\_\_ higher than during gestation.  
Why? \_\_\_\_\_

10. Define feed efficiency: \_\_\_\_\_  
\_\_\_\_\_

11. Name two ways to deal with questions at the Fair from interested, concerned citizens:

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

12. Describe the three pillars of character listed below:

Trustworthiness: \_\_\_\_\_  
\_\_\_\_\_

Responsibility: \_\_\_\_\_  
\_\_\_\_\_

Caring: \_\_\_\_\_  
\_\_\_\_\_