

PURDUE EXTENSION BOONE COUNTY

4-H SWINE WORKSHEETS

Grade 10-B



Name: _____

Club Name: _____

Grade: _____

Date: _____

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

- | | | |
|------------------------|--------------------------|-------------|
| _____ Beet Pulp | _____ H ₂ 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 _____

Answers can be found in the OSU Swine Resource Handbook – 4-H 134R.

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: _____
