

# PURDUE EXTENSION BOONE COUNTY

## 4-H SWINE WORKSHEETS

Grade 10-C



Name: \_\_\_\_\_

Grade: \_\_\_\_\_

Club Name: \_\_\_\_\_

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

1. Where and when was the practice of finishing hogs on maize first adopted?

\_\_\_\_\_

2. What 1870 invention enabled fresh pork to be shipped over long distances without spoilage? \_\_\_\_\_

3. The main source of energy in a pig's diet comes from \_\_\_\_\_ and \_\_\_\_\_. They are the primary fuels used in maintaining \_\_\_\_\_ and producing \_\_\_\_\_.

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

_____ Brewer's Grain	_____ Milo	a. Energy
_____ Corn	_____ Soybean Hulls	b. Minerals
_____ Dicalcium Phosphate	_____ Soybean Meal	c. Protein
_____ Hay Cubes	_____ Trace Mineral Salt	d. Vitamins
_____ Linseed Meal	_____ Whole Grain Oats	e. Water

5. Match the feed ingredient with its identifying characteristic.

_____ Blood Meal	a. Looks like small rocks of various sizes
_____ Dried Molasses	b. Sweet smell; made from sugar beets or cane
_____ Dried Sugar Beet Pulp	c. By-product of the meat industry
_____ Dried Whey	d. Looks like a dried root
_____ Fish Meal	e. Looks like crumbled bran cereal
_____ Ground Limestone	f. Look for a crease along middle of the side
_____ Wheat Middlings	g. Smells like fish, look for tiny bone chips
_____ Whole Grain Wheat	h. By-product from making cheese

6. List two feeding systems that can be utilized in a swine production program.

a. \_\_\_\_\_

b. \_\_\_\_\_

7. What is the primary objective for nutrition of weanling pigs? \_\_\_\_\_

\_\_\_\_\_

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

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

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

9. A gestating sow should only consume \_\_\_\_\_ pounds of feed per day. This amount is dependent on what five factors?

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

10. What will happen to a lactating sow whose diet contains inadequate quantities of calcium and phosphorus? \_\_\_\_\_

\_\_\_\_\_

11. What four products do “complex starter diets” contain?

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

12. What two things do dried milk products contain that are highly digestible to young pigs?

\_\_\_\_\_ and \_\_\_\_\_

13. What does SEW stand for? \_\_\_\_\_

How long should a SEW diet be fed to pigs? \_\_\_\_\_

14. Why are fats added to swine rations? \_\_\_\_\_

\_\_\_\_\_

15. What are four important Quality Assurance topics to the producer?

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