

PURDUE EXTENSION BOONE COUNTY

4-H SWINE WORKSHEETS

Grade 10-D



Name: _____

Club Name: _____

Grade: _____

Date: _____

1. What accounts for 60-75% of the total cost of pork production? _____

2. What does the word ration mean?

a. _____

b. _____

3. Water is usually taken into the body at a _____ temperature than the body itself, therefore a portion of the body's energy must be used in _____ the water.

In the summer this is an _____ and in the winter a _____.

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

_____ Bone Meal	_____ H ₂ O	a. Energy
_____ Corn Gluten Meal	_____ Vitamin Pre-Mix	b. Minerals
_____ Dehydrated Alfalfa Meal Pellets	_____ Wheat Middlings	c. Protein
_____ Dicalcium Phosphate	_____ Whole Cottonseed	d. Vitamins
_____ Fish Meal	_____ Whole Grain Rye	e. Water

5. Match the feed ingredient with its identifying characteristic.

_____ Buckwheat	a. Reddish-brown, smooth, round, bead-like grain
_____ Cracked Corn	b. White, granular, tiny, uniform crystals
_____ Distillers Grains	c. Brown, flaky to powdery, sweet smell
_____ Ground Corn	d. Brown, flaky, creases in the kernel
_____ Milo	e. Brown to light black, smooth with sharp edges
_____ Steam Rolled Barley	f. Yellow, powdery, very fine
_____ Trace Mineral Salt	g. Yellow/White, rough, broken corn kernels
_____ White Salt	h. Bronze, grainy, tiny uniform crystals

6. What % of the following nutrients should be fed to a high lean-gain grower-finisher barrow weighing 200 pounds to market?

a. Protein: _____

d. Phosphorus: _____

b. Lysine: _____

e. Salt: _____

c. Calcium: _____

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

7. Why is it important for each required nutrient to be present in the ration in the proper amount? _____

8. Why should developing gilts be fed higher levels of vitamins and minerals?

9. What three problems does excessive energy intake during gestation result in?
a. _____
b. _____
c. _____

10. Match the sow condition to the body shape.

- | | |
|--------------------|---|
| _____ 1. Emaciated | a. Hips, backbone cannot be felt |
| _____ 2. Thin | b. Hips, backbone prominent to the eye |
| _____ 3. Ideal | c. Hips, backbone heavily covered |
| _____ 4. Fat | d. Hips, backbone easily felt |
| _____ 5. Overfat | e. Hips, backbone felt only with firm palm pressure |

11. What should the SEW diet contain limited amounts and large amounts of?

12. What age of pigs should the Phase 1 diet be fed to?

13. How much soybean meal should the Phase 1 diet contain? _____

14. How long are Phase 2 diets fed? _____

15. Give two reasons why SEW and Phase 1 diets should be fed in a pellet form.
a. _____
b. _____

16. Describe the two pillars of character listed below.
a. Respect: _____

b. Fairness: _____
