

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: _____
