

PURDUE EXTENSION BOONE COUNTY

4-H SWINE WORKSHEETS

Grade 11-D



Name: _____

Grade: _____

Club Name: _____

Date: _____

1. What city was known as "Porkopolis" in the 1860's? _____

2. Which city was the "Hog Butcher To The World"? _____

3. What events shifted the center of hog production in the 1860's from Cincinnati to Chicago?

4. What three factors will prevent any pig from developing to its genetic potential?

5. Match the USDA Feeder pig grade with the description.

- _____ U.S. No. 1 Feeder Pigs
- _____ U.S. No. 2 Feeder Pigs
- _____ U.S. No. 3 Feeder Pigs
- _____ U.S. No. 4 Feeder Pigs
- _____ U.S. Utility Feeder Pigs
- _____ U.S. Cull Feeder Pigs

- a. Small for their age and appear unthrifty with rough, unkempt appearance.
- b. Slightly short and slightly thin-muscled hams and shoulders.
- c. Long hams and shoulders and thick muscling.
- d. Typically very deficient in thriftiness because of poor care or disease.
- e. Short with thin muscling throughout.
- f. Moderately long with moderately thick muscling through hams and shoulders.

6. How do you figure the dressing percentage of a hog?

7. What is the primary factor affecting the pounds of lean in a pig?

8. Calculate the ultrasonic percent lean for a 265 pound (live weight) hog with 100 pounds estimated lean. _____

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

9. Describe each of the following muscle characteristics.

- a. PSE: _____
- b. RFN: _____
- c. DFD: _____

10. Which of the above is ideal? _____

11. Why are pale muscles undesirable? _____

12. Match the pharmaceutical by-products with the organ or gland they are derived from.

- | | |
|-----------------------------|--------------------|
| _____ ADH | a. Adrenal Glands |
| _____ Chenodeoxycholic Acid | b. Blood |
| _____ Enterogastrone | c. Gall Bladder |
| _____ Intrinsic Factor | d. Heart |
| _____ Norepinephrine | e. Intestines |
| _____ Plasmin | f. Ovaries |
| _____ Progesterone | g. Pancreas Gland |
| _____ Thyroglobin | h. Pituitary Gland |
| _____ Trypsin | i. Stomach |
| _____ Valves | j. Thyroid Gland |

13. Estimates of annual losses due to lice and mange infestations range from _____
_____. Lice suck blood through the skin causing _____ and _____
_____. This results in decreased _____ and _____
_____ because _____
_____.

14. What are the 2 "high priced" cut areas on the pig? _____ and _____.

15. What are the water requirements for the following stages of hogs, in gallons/head/day?

- a. Sow and Litter: _____
- b. Nursery: _____
- c. Growing: _____
- d. Finishing: _____

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Name: e. Gestating Sow: _____

Club Name: f. Boar: _____

Grade: _____

Date: _____

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

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