

PURDUE EXTENSION BOONE COUNTY

4-H SWINE WORKSHEETS

Grade 12-A



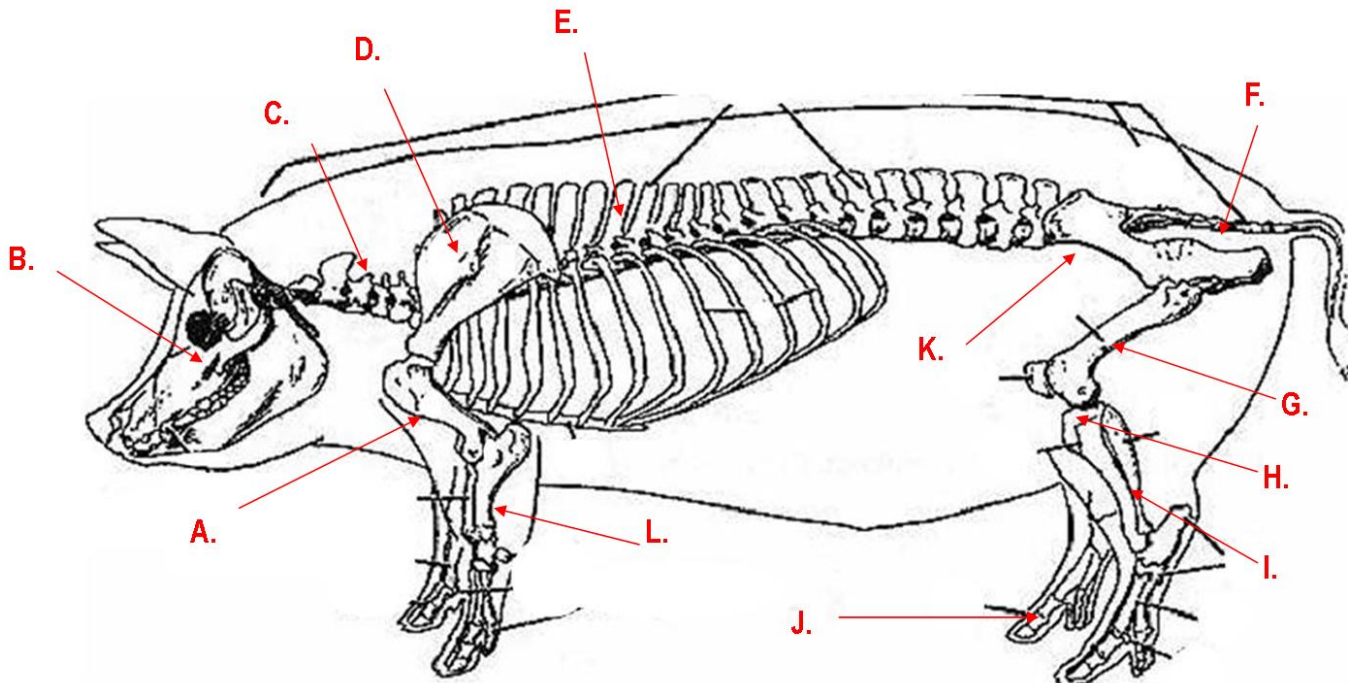
Name: _____
Club Name: _____

Grade: _____
Date: _____

1. List three breeds of swine that are considered maternal breeds, (known for their mothering ability). _____
2. Label the bones indicated on the pig skeleton below. Page 3-15

a. _____
b. _____
c. _____
d. _____
e. _____
f. _____

g. _____
h. _____
i. _____
j. _____
k. _____
l. _____



3. What anatomical feature is utilized to determine the reproductive soundness of a gilt? _____

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

4. List five important characteristics to look for in an ideal breeding gilt. _____

5. When selecting replacement breeding gilts at 180 pounds, save _____ more than needed for breeding.
6. Boars should be selected and purchased at _____ months of age, and at least _____ months before intended breeding.
7. Which gland secretes luteinizing hormone (LH) and follicle stimulating hormone (FSH)? _____

8. Name three functions of the hypothalamus in the male pig in the reproductive process. _____

9. The location of a gene on a chromosome is called the _____.
10. The drop in performance due to a decrease in non-additive value resulting from mating related animals is called _____.
11. What are the heritability estimates for the following swine traits?

Trait	Heritability
Average Daily Gain	
Carcass Length	
Litter Birth Weight	
Litter size born alive	
Loin Eye Area	
Soundness	
21 Day Litter Weight	

12. What is the duration of ovulation in sows and gilts? _____
13. What is the life span of sperm cells in the oviduct? _____
14. What procedure can be utilized to make artificial insemination more efficient? _____

15. What type of environment should be maintained in the farrowing house? _____

