

# PURDUE EXTENSION BOONE COUNTY

## 4-H SWINE WORKSHEETS

Grade 12-D



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

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

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

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

1. Which breed of swine is known for being an aggressive breeder? \_\_\_\_\_

2. Label the bones indicated on the pig skeleton below.

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

e. \_\_\_\_\_

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

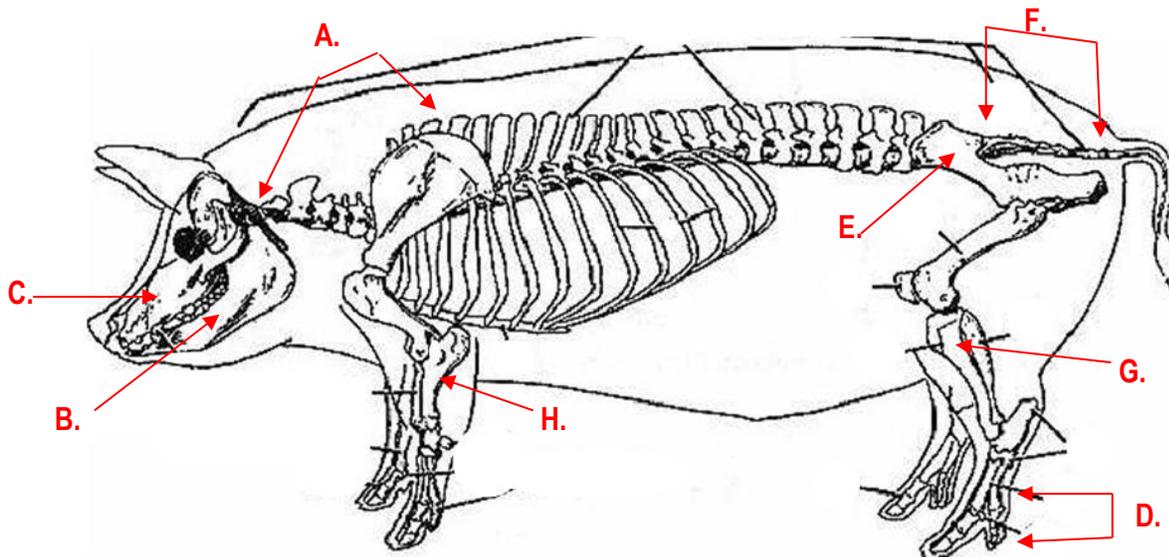
f. \_\_\_\_\_

c. \_\_\_\_\_

g. \_\_\_\_\_

d. \_\_\_\_\_

h. \_\_\_\_\_



3. Define purebred: \_\_\_\_\_  
\_\_\_\_\_

4. What do purebred breeders do? \_\_\_\_\_  
\_\_\_\_\_

5. What is the number one reason to cull a sow from your herd? \_\_\_\_\_

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

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This material may be available in alternative formats.

6. How many teats should a gilt have on each side? \_\_\_\_\_
7. Which of the following are not characteristics of an ideal breeding gilt? (circle all that apply)
- a. Big blade
  - b. Deep forerib
  - c. Level top
  - d. Low tail set
  - e. Narrow chest
  - f. Prominent underline
  - g. Short neck

8. Match the component of the female reproductive tract with the description.

- |               |   |
|---------------|---|
| _____ Brain   | a. Contains numerous glands that supply mucus to the vagina.                        |
| _____ Cervix  | b. External genital organ of the female pig.  |
| _____ Isthmus | c. The female gonad.  |
| _____ Ovaries | d. Tubular section of the oviduct that facilitates sperm transport from the uterus. |
| _____ Uterus  | e. Ultimate control center for reproduction   |
| _____ Vulva   | f. Paired tubes or horns connected to the oviducts                                  |

9. What are the heritability estimates of the following traits?

- |                                  |                                |
|----------------------------------|--------------------------------|
| a. Litter Size born alive: _____ | c. 21 day litter weight: _____ |
| b. Litter birth weight: _____    | d. Average Daily Gain: _____   |

10. Which of the following are Quantitative genetic traits? Circle all that apply.

- |                   |                    |                         |
|-------------------|--------------------|-------------------------|
| a. Backfat        | c. Feed efficiency | e. # of pigs born alive |
| b. Days to market | d. Hair color      | f. PSS                  |

11. What type of environmental factors can alter normal prenatal pig development? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

12. Describe the following genetic abnormalities:

- a. Cryptorchidism- \_\_\_\_\_
- b. Atresia Ani- \_\_\_\_\_
- c. Hermaphrodites- \_\_\_\_\_

13. What are six signs to identify estrus in swine?

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

14. What is the most common method of heat synchronization in sows? \_\_\_\_\_