

# PURDUE EXTENSION BOONE COUNTY

## 4-H SHEEP WORKSHEETS

Grade 12-C



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

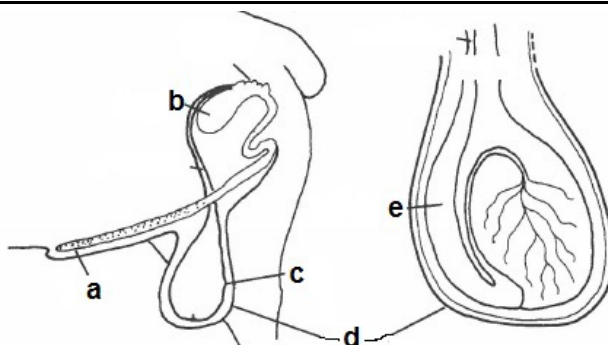
Grade: \_\_\_\_\_

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

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

1. Name the parts labeled on the picture of the ram's reproductive system below and define the functions of a, c and e.

- a. \_\_\_\_\_  
\_\_\_\_\_  
b. \_\_\_\_\_  
c. \_\_\_\_\_  
\_\_\_\_\_  
d. \_\_\_\_\_  
e. \_\_\_\_\_  
\_\_\_\_\_



2. True or False? Ram semen is extremely concentrated when compared to boar or bull semen?

3. What is a Breeding Soundness Exam (BSE)? \_\_\_\_\_  
\_\_\_\_\_

4. What age do ewes and rams normally reach puberty? \_\_\_\_\_

5. What four factors can affect the age where sheep reach puberty?

- a. \_\_\_\_\_  
b. \_\_\_\_\_  
c. \_\_\_\_\_  
d. \_\_\_\_\_

Answers can be found in the OSU Sheep Resource Handbook – 4-H 194R.

6. What is anestrus in ewes? \_\_\_\_\_  
\_\_\_\_\_

7. What are three types of anestrus?  
a. \_\_\_\_\_  
b. \_\_\_\_\_  
c. \_\_\_\_\_

8. What is the average length that estrus lasts in ewes? \_\_\_\_\_

9. What are hormones? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10. Match the following reproductive hormones with their function.

a. Estrogen	_____	maintains pregnancy
b. FSH	_____	stimulates the production of sperm
c. GnRH	_____	development of sex organs in the ram
d. Progesterone	_____	development of sex organs in the ewe
e. Testosterone	_____	triggers the release of FSH and LH

11. What are genetics? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

12. Write the heritability percentage on the line to the right, then rank the following heritability traits from 1-8 lowest (least heritable) to highest (most heritable).

Rank	Trait	Heritability (%)
_____	birth weight	_____
_____	fleece yield	_____
_____	carcass weight	_____
_____	age at puberty	_____
_____	lamb survival	_____
_____	staple length	_____
_____	dressing percent	_____
_____	fleece color	_____