



# Adams County 4-H Sheep Worksheet

## Grade 10



Name: \_\_\_\_\_ 4-H Club: \_\_\_\_\_

**Answers to these questions can be found in the “Sheep Resource Handbook” 4-H 194 R**

Use Chapter 11 “Reproduction and Genetics” to help you with the following questions.

1. Match the following hormones to the definitions:

- |                               |   |
|-------------------------------|---|
| _____ Estrogen                | A. Maintains pregnancy                          |
| _____ FSH                     | B. Allows the female to come into heat again.   |
| _____ GnRH                    | C. Causes the development of the sex organs     |
| _____ Progesterone            | D. Stimulate the development of the ova         |
| _____ Prostaglandin F-2 Alpha | E. Causes the secretion of the male sex hormone |
| _____ LH                      | F. Development of sex organs in the male        |
| _____ Testosterone            | G. Triggers the release of FSH and LH           |

2. Identify the differences between outbreeding, inbreeding, and linebreeding.

---



---



---

3. Find the genotype and phenotype of the following:

Ram is an RR and the Ewe is an Rr.


4. Explain how the genetic principles applies to you and selection of your 4-H sheep.

---



---



---

5. Define “defect” and identify three different defects that can occur in sheep.

---



---



---

Use Chapter 12 "Careers in Animal Science" to help you with the following questions.

6. 4-H livestock projects teach about animal science. Identify some skills or knowledge you have gained in the 4-H sheep project that could relate to a career in the field of animal science.

---

---

---

---

7. Identify some animal science careers that are directly related to skills learned in the sheep project.

---

---

---

8. Based upon reading and personal experience, what are some ways Agribusiness plays a role in the 4-H program?

---

---

---

Use the Show Ring Ethics information on page 150 of your manual to answer the following questions:

9. Could you be a "winner" showing an animal without getting a champion ribbon? Explain.

---

---

---

---

10. What are some methods that Adams County could implement to start recognizing exhibitors for skills gained through livestock projects/shows? This would be in addition to awards and recognition received in the show ring.

---

---

---

---