

PURDUE EXTENSION BOONE COUNTY

4-H Goat Worksheets

Grade 11-A



Name: _____

4-H Club: _____

Date: _____

Reproductive Management and Genetics

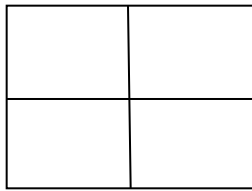
1. A successful reproductive program in a goat herd requires managers to properly detect estrus. Identify some of the obvious signs of estrus: _____

2. Explain Estrous Synchronization and give some benefits of using this method in your goat herd. _____

3. Match the following: (Notice that Lutalyse and Prostaglandin will have 2 responses each)
____ PMSG A. Destroys the corpus luteum
____ Lutalyse B. Prevents ovulation until removal
____ SynchroMate-B C. Destroys the corpus luteum
____ Prostaglandin D. Stimulate ovulation
4. What is the key reproductive hormone that is used to stimulate the growth of multiple follicles on the eggs? _____
5. The birth of an animal where the rear legs are coming first instead of head or front feet first is known as a _____ birth. Is assistance needed with this type of birth? _____
6. Where does an animal get its genes from?
_____% from parents _____% from grandparents _____% great grandparents
7. Explain what ETA is. _____

8. The estrous cycles of goats are stimulated to begin when the days are becoming _____ in the late _____ and fall.

9. Find the genotype and phenotype of the following: Doe → Rr Buck → Rr

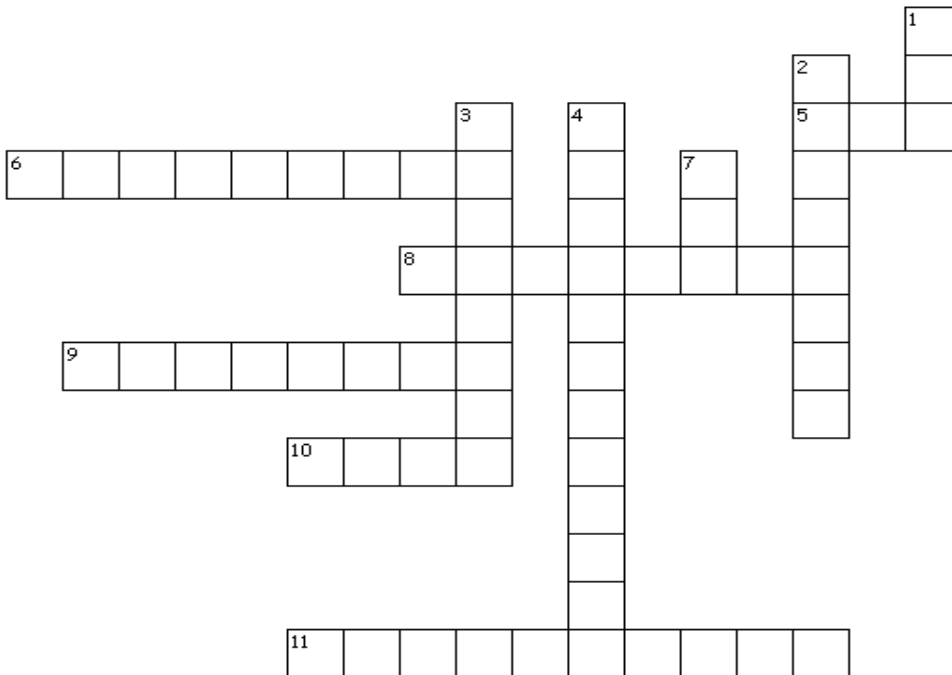


Genotype:

Phenotype:

10. Does that are healthy and well managed nutritionally can be bred when? _____

11. Complete the Following:



Across

- 5. Predicts the genetic potential of an offspring
- 6. A gene that is not dominate for a characteristic
- 8. One gene of the gene pair that determines a characteristic
- 9. The passing of genetic material from parents to offspring
- 10. Consists of a specific sequence of DNA
- 11. Two genes are the same

Down

- 1. Genetic material that controls a trait
- 2. Inherited characteristics and how they vary
- 3. Gene pair
- 4. Statistic used to describe the amount of variation within a population
- 7. Measure of type evaluations for selecting the best animal for breeding
- 11. Genes are different

Answers to these questions can be found in the "Goat Resource Handbook" 4-H 135R