



4-H Goat Project

Name: _____ 4-H Club _____

Genetics and Medical Uses

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

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

3. What is the key reproductive hormone that is used to stimulate the growth of multiple follicles on the egg?

4. Explain what ETA is.

5. Where does an animal get its genes from?

_____ % from parents
_____ % from grandparents
_____ % from great grandparents

6. Find the genotype and phenotype of the following where the Doe is **Rr** and the Buck is **Rr**.

Genotype:

Phenotype:

7. What does "withdrawal time" refer to?

8. Label the parts of a Medication Label:

Medication Label

	<u>Name of Drug</u> OMNIBIOTIC	
	(Hydrocillin) <u>Active Ingredient</u>	
<u>Cautions and Warnings</u>	Directions for use: See package insert.	<u>Withholding Times</u>
	Warning: The use of this drug must be discontinued for 30 days before treated animals are slaughtered for food. Exceeding the highest recommended dosage level may result in antibiotic residues in meat or milk beyond the withdrawal time.	
	Store between 2° and 8°C (36° and 46°F)	<u>Storage</u>
	Keep dry and away from light.	
	<u>Quantity of Contents</u> Net Contents: 100 mL	
	Distributed by	<u>Name of Distributor</u>
	USA Animal Health, Inc.	
<u>Lot Number</u>		<u>Expiration Date</u>
EQ771-3		2/11/20XX

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