Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour: \_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Genetics Test Review

Be able to define the following terms:

* Genotype
* Phenotype
* Artificial Selection
* Natural Selection
* Heterozygous
* Homozygous
* Dominant
* Recessive
* EPD
* Allele
* Environment
* Heredity
* Heredity Factor
* Qualitative
* Quantitative

List 2 traits used to identify quality breeding stock for the following species.

Dairy Cattle Beef Cattle

Sheep Horses

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour: \_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Pigs Dogs

Be able to show how traits are inherited using a punnet square.

1. You have two Labrador Retrievers which you would like to have puppies out of. The male is a heterozygous black and the female is also heterozygous black. What percentage to the puppies will be black? What are the possible genotypes?

Compare common breeding systems used in the animal industry

* Commercial:
* Purebred:
* Crossbreeding:
* Inbreeding:
* Linebreeding:

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