**Heredity and Genetics**

**Vocabulary #1**

Find a characteristic and example for each of the following "Genetics” vocabulary:

**Alleles:**  A pair of alternative forms of a gene that occupy the same locus on homologous chromosomes and that control the production of the same protein.

**Ex.**

**Ch.**

**Dominant:** Some alleles are dominant over others and produce a phenotype regardless of the other allele

**Ex.**

**Ch.**

**Recessive:**  Some alleles are recessive over others and produce a phenotype only in the presence of the other allele

**Ex.**

**Ch.**

**Genotype:**  The genetic makeup of an organism (the alleles that an organism contains on its chromosomes).

**Ex.**

**Ch.**

**Phenotype:** The outward appearance and behavior of an organism.

**Ex.**

**Ch.**

**Homozygous:**  Having the same alleles at a particular gene locus on homologous chromosomes.

**Ex.**

**Ch.**

**Heterozygous:** Having different alleles at a particular gene locus on homologous chromosomes.

**Ex.**

**Ch.**