

Heredity Pretest

- 1) How did Gregor Mendel contribute to the study of genetics?

- 2) Describe Genetics

- 3) A hybrid tall plant crossed with another hybrid tall plant produces 3 tall plants and one short plant. Explain how this occurs and tell what this shows about the plants genotype.

- 4) A brown rabbit is crossed with a white rabbit. All the offspring have brown fur. What conclusions can you draw from this observation?

- 5) In certain dogs, black fur (B) is dominant over golden fur (b). What must the genotype of a dog with golden fur be?

- 6) What is a Punnett square?

- 7) What is a pedigree?

- 8) Explain each of the following terms:
 - Recessive
 - Trait
 - Allele
 - Homozygous
 - Phenotype