

****CLASS SET - Return to teacher at end of period!****

Unit 6a Vocabulary Definitions

Directions: Copy the following definition *exactly as written* into your vocabulary chart. Then use definition to finish the other boxes.

1	Genetics	The science that studies how genes are transmitted from one generation to the next.
2	Gene	A segment of DNA that controls a hereditary trait.
3	Trait	The characteristics of an organism.
4	Allele	The specific combination of nucleotides in DNA responsible for a particular expression of a genetic trait.
5	Hybrid	The offspring of parents with different traits.
6	Dominance	A trait that presents in an organism, possibly masking recessive traits.
7	Recessiveness	A trait that only presents in an organism if a dominant trait is not present.
8	Segregation	The separation of the two alleles carried by an organism when gametes are formed.
9	Homozygous	Containing two alleles that are the same (TT or tt)
10	Heterozygous	Containing two alleles that are different (Tt or tT)
11	Genotype	The genetic makeup of an organism.
12	Phenotype	The physical characteristics of an organism.
13	Probability	The likelihood that a particular event will occur.
14	Punnett Square	A diagram showing all of the possible combinations that can form from a set of alleles, allowing for probability of genotypes and phenotypes to be determined.