

# GENETIC HEREDITY

## Worksheet

Name \_\_\_\_\_

Date \_\_\_\_\_

Match the vocabulary terms with the correct definition!

Vocabulary Word	Correct Definition
Gene	
Allele	
Genotype	
Phenotype	
Homozygous	
Heterozygous	
Recessive Allele	
Dominant Allele	
Test Cross	
Monohybrid Cross	

- A. Alternative form of a gene, located at a specific point on chromosome. (DNA coding that will determine distinct traits)
- B. Having two identical alleles for a given gene
- C. A unit of hereditary information with a specific sequence in DNA.
- D. Having two different alleles for a given gene.
- E. Breeding an organism of an unknown genotype with an organism with a homozygous recessive genotype. The offspring phenotype will determine the unknown genotype.
- F. The genetic makeup or set of alleles of an organism
- G. Allele's phenotypic effect is not observed in a heterozygote
- H. Allele's phenotypic effect is fully expressed in a heterozygote
- I. A genetic cross between homozygous individuals that have different alleles for the gene of interest. (AA x aa)
- J. The physical traits of an organism determined by genetic makeup.