

GENETICS

VOCABULARY CARDS



Cut along the dotted lines to use as vocabulary cards.

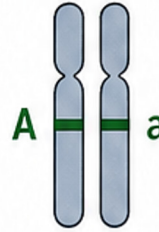
1. GENE

A segment of DNA that contains the instructions to make a protein or RNA.



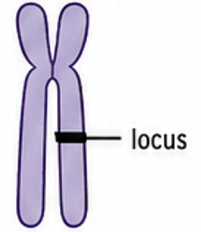
2. ALLELE

An alternative form of a gene at the same locus.



3. LOCUS

The specific position of a gene on a chromosome.



4. GENOTYPE

The genetic makeup of an organism. Often written as letters.

Aa

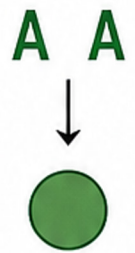
5. PHENOTYPE

The observable characteristics of an organism resulting from its genotype and environment.



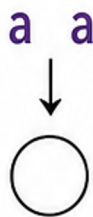
6. DOMINANT

An allele that is expressed in the phenotype when present. Written with a capital letter.



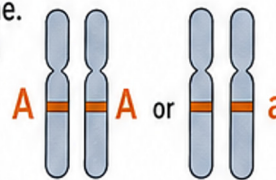
7. RECESSIVE

An allele that is only expressed in the phenotype when two copies are present. Written with a lowercase letter.



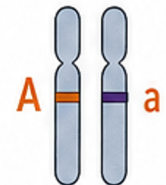
8. HOMOZYGOUS

Having two identical alleles for a gene. AA or aa



9. HETEROZYGOUS

Having two different alleles for a gene. Aa



10. PUNNETT SQUARE

A grid used to predict the possible genotypes of offspring from a genetic cross.

	A	a
A	AA	Aa
a	Aa	aa

11. GENETIC CROSS

A mating between individuals to study the inheritance of traits.



12. CHROMOSOME

A structure made of DNA and proteins that carries many genes.

