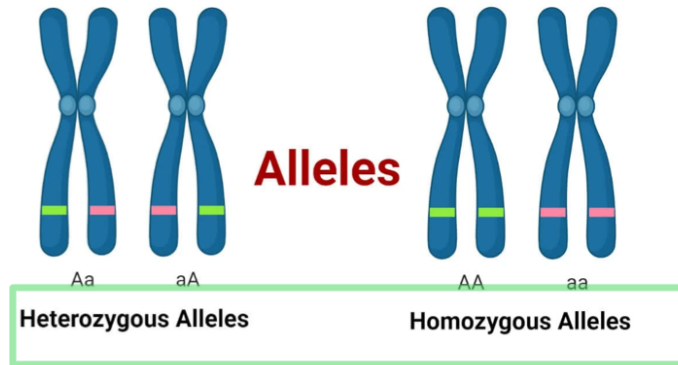


## Alleles :-

↳ Different versions of a gene



- Humans inherit 2 alleles for each gene. 1 from each parent

↳ Genotype :- Genetic makeup of an organism

\* Genotype determines the Phenotype (observable characteristics of an organism)

## Punnet Square

- A tool used in genetics to predict the possible genotypes of offspring from parents.

Ex :-  $A \rightarrow$  tall (dominant)       $a \rightarrow$  short (recessive)

- Dominant always overthrows recessive genes.

	A	a
A	AA	Aa
a	aA	aa

a 

a	b
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↪ 75% tall chances  
25% short