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## Genotype

The alleles that an organism has for a particular characteristic, usually written as letters.



## Genetically modified

Describes a cell or organism that has had its genetic code altered by adding a gene from another organism.



## Diploid

A cell that contains two sets of chromosomes.

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## Haploid

A sex cell (gamete) that contains one set of chromosomes.



## DNA

Deoxyribonucleic acid. The material inside the nucleus of cells, carrying the genetic information of a living being.



## Allele

One of a number of forms of a particular gene.

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## **Dominant**

An allele that always expresses itself whether it is partnered by a recessive allele or by another like itself.



## **Gamete**

Sex cell (sperm in males and ova/eggs in females).



## **Nucleotide**

The units or molecules of which DNA or RNA is composed.

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## Mutagen

A substance that can lead to changes in the DNA.



## Binomial system

A system used to name organisms that includes their genus and species names.



## Evolutionary tree

A branching diagram showing the suggested evolutionary relationship between organisms.

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## Variation

The difference between individuals, distance from the norm.



## Evolution

The process of change in the inherited traits of a population of organisms from one generation to the next.



## Speciation

The formation of new and distinct species during evolution.

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