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alleles	alternative forms of a gene
chromosomes	thread-like structures made of DNA, observed in dividing cells
dominant allele	the form of a gene which is expressed in the heterozygous (hybrid) condition, masking the other (recessive) form of the same gene
gene	the smallest physical unit of heredity
genetics	the study of heredity and variation in biological systems

genotype	all the genes present in the cells of an organism
heterozygous	having two different alleles of a particular gene in a diploid cell for any particular hereditary characteristic
homozygous	having identical alleles of a particular gene in a diploid cell for any particular hereditary characteristic
hybrid	the offspring from the cross-breeding of two distinct races, breeds, varieties, species or genera
Mendel's laws	the set of principles derived by Gregor Mendel relating to the transmission of hereditary characteristics from parent organisms to their children

monohybrid	the offspring of individuals that are pure-breeding for different alleles of a particular gene
pedigree analysis	the study of a pedigree chart in a group of related individuals to determine the pattern and characteristics of inheritance of a genetic trait
pedigree chart	a universally accepted scientific format to represent the inheritance of a particular genetic trait over a number of generations
phenotype	the detectable physical, chemical or behavioural characteristics or traits of an organism
pure-breeding	homozygous

recessive allele	the form of a gene which is only expressed in the homozygous condition, and is masked in the heterozygous condition by another (dominant) form of the same gene
segregate	separate (as in individual chromosomes that segregate from each homologous pair during meiosis)
variation	physical, or physiological or behavioural difference between individuals in a population which may or may not make them more suited to prevailing environmental conditions