Key term	Definition
Gamete	Gametes are sex cells (in animals: sperm and ovum: in plants pollen nucleus and ovum).
Chromosome	Chromosomes are thread-like structures of DNA, carrying genetic information in the form of genes. They are located in the nucleus of cells.
Gene	Genes are short lengths of DNA found on chromosomes. They code for specific proteins.
Allele	Alleles are different versions of a particular gene.
Dominant	A dominant allele is always expressed, even if only one copy is present.
Recessive	A recessive allele is only expressed if two copies are present (therefore no dominant allele present).
Homozygous	If the two alleles of a gene are the same, we describe the individual as being homozygous (homo = same).
Heterozygous	If the two alleles of a gene are different, we describe the individual as being heterozygous (hetero = different).
Genotype	The combination of alleles that control each characteristic is called the genotype.
Phenotype	The observable characteristics of an organism (seen just by looking—like eye colour, or found through testing—like blood type) is called the phenotype.

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