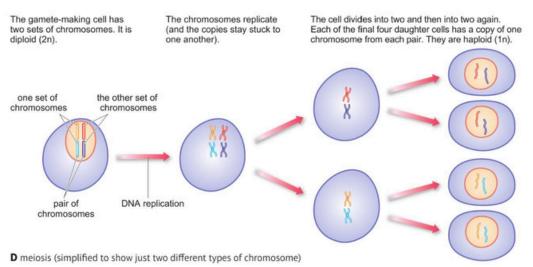
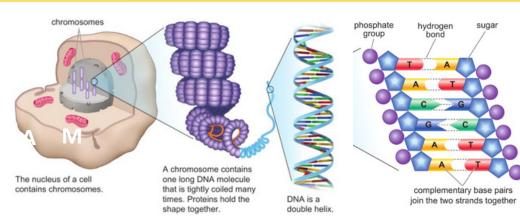
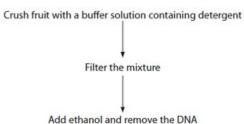
Knowledge Organiser: Biology, CB3a

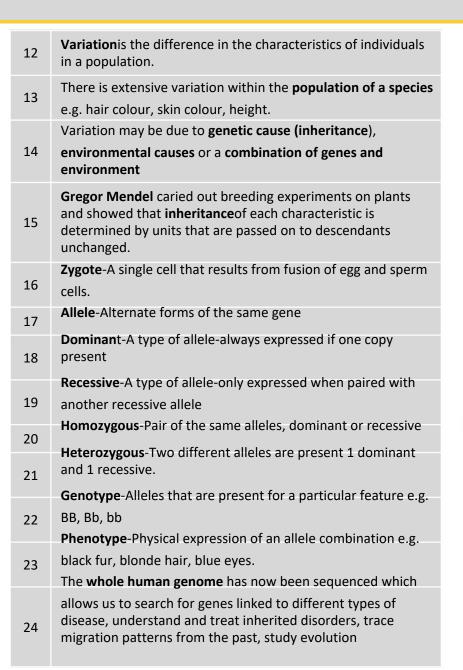
1	Gametes are made in reproductive organs (in animals ovaries and testes)
2	Cells divide by meiosi s to form gametes
3	In meiosis: Copies of genetic information are made , the cells divide twice to form daughter cells each with half the number of chromosomes
4	Haploidgametes are genetically different from each other
5	Gametes join at fertilisation to restore the number of chromosomes Genetic material in the nucleus is composed of DNA
6	
7	DNA is a polymer made up of two strands forming a double helix
	DNA is a polymer made from four different nucleotides .
8	Each nucleotide consists of a common sugar, phosphate group and one of four different bases; A, C, T & G
9	A gene is a small section on a chromosome .
10	A gene codes for a sequence of amino acids to make a specific protein
11	A sequence of 3 bases is the code for a particular amino acid, The order of bases controls the order in which amino acids combine and fold to produce a specific protein

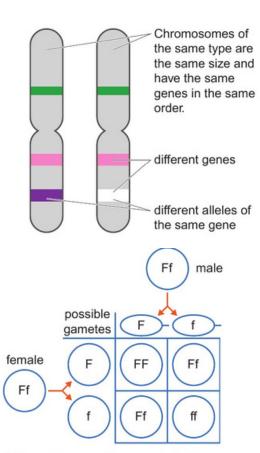


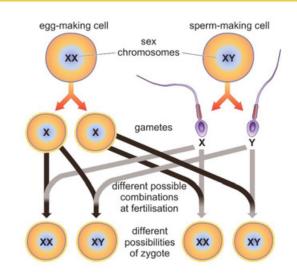




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C Punnett square for parents that are heterozygous for the CF gene

