chromosome

what is a chromosome

thread like structure that carries a cells DNA

how many pairs of chromosomes are there

23 pairs 46 in totqal

list the 4 nucleotides that make up DNA

G,T,A,C

describe the structure of DNA

double stranded DNA, coiled, compli-mentary base pairs joined by weak hydrogen bonds

what is a gene

small section of DNA

what is an allele

2 versions of each gene present in the pair of chromosomes

exam Q's

A: mitosis

mitosis

mitosis - one set of chromosomes is pulled to each end of the cell, nucleus divides, cell membrane + cytoplasm divides to form two identical daughter cells

stem cells

embryotic cells	*adult bone marrow cells*
can produce different types of specialised cells in the body, can be cloned and made into differentiate into most different types of cells	can form many types of cells including blood cells, partially specialised

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