

 UNDERLINE OR HIGHLIGHT

Read the paragraphs below and then follow the instructions.

The letters 'DNA' stand for deoxyribonucleic acid. This is a long molecule with a complicated structure, built from four chemical 'bases'.

The bases of DNA are adenine, thymine, cytosine and guanine. These are usually represented by the letters A, T, C and G. They are also known as 'nucleotides'. The nucleotides bond together to form long strands.

These strands form a very long genetic code of nucleotides – in humans, it's around three billion nucleotides long. There are countless different ways of arranging these nucleotides, meaning that it is all but impossible for two people to share exactly the same code by coincidence.

The long DNA chain is broken up into 'chromosomes' that exist in most cells of the human body. Humans have 23 pairs of chromosomes in each cell. DNA gives instructions to cells, telling them how to make particular proteins that help the body to develop.

Underline or highlight a word that means something is very intricate or complex.

Underline or highlight a word that means to organise in a particular way.

Underline or highlight a word that means something that happens accidentally or is not planned.

Underline or highlight a word that means 'two of' something.

Underline or highlight a word that means cannot be done or cannot happen.