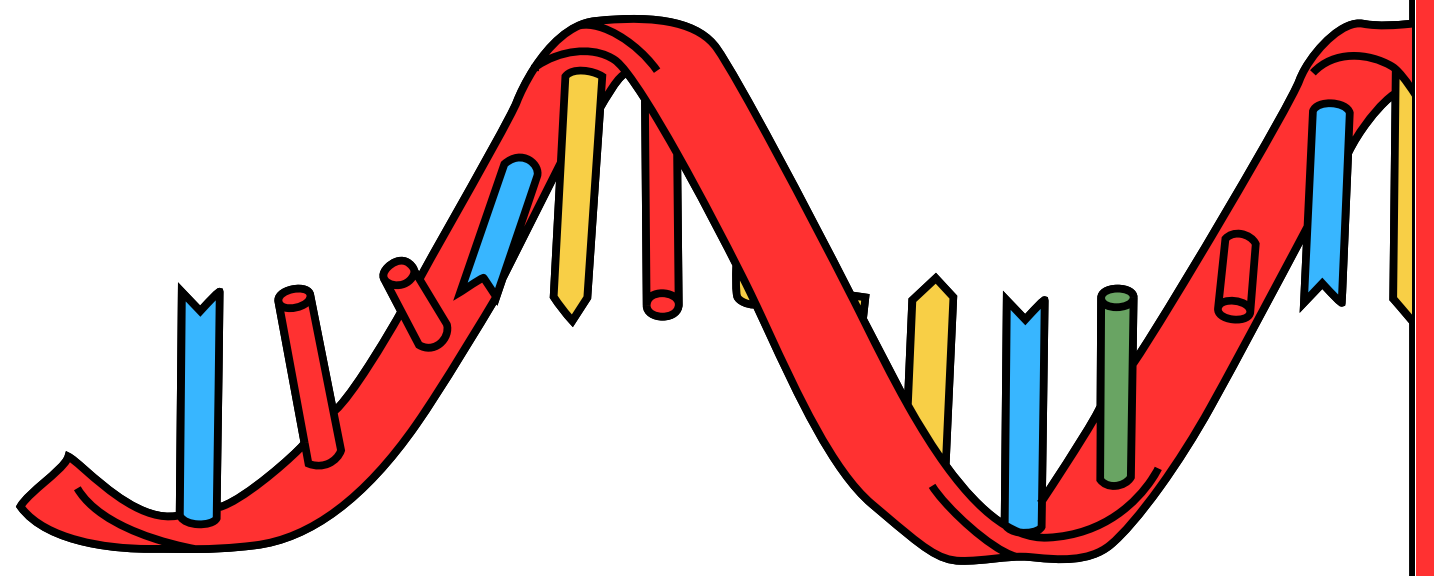
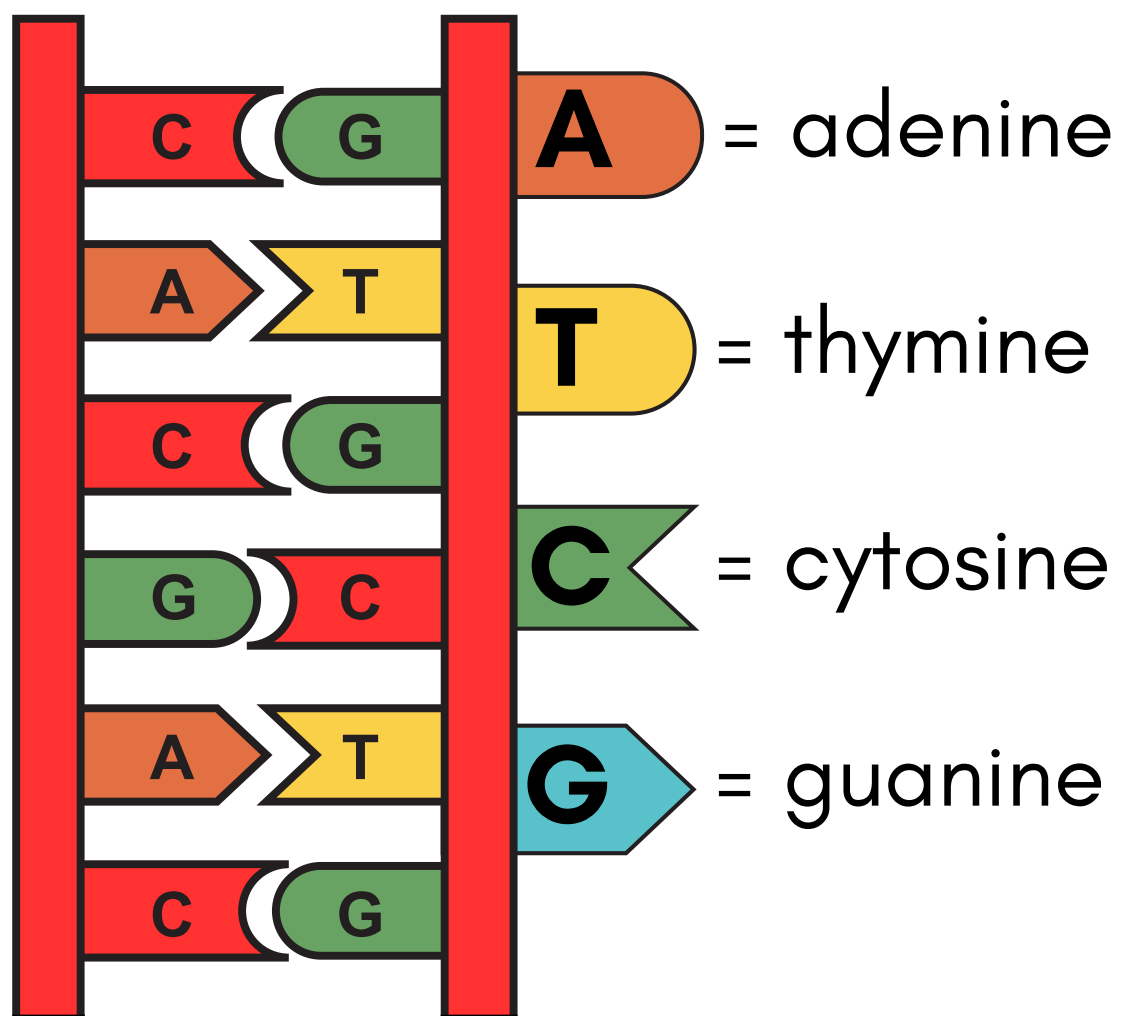


# DNA

Deoxyribonucleic Acid



DNA is a large molecule found inside the cells of living things. It is made up of different elements that carry genetic information. DNA is made up of four basic building blocks called **nucleotides**.

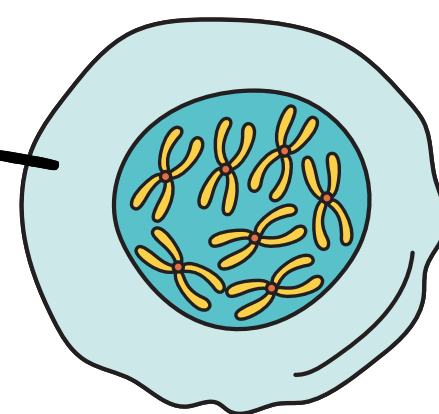
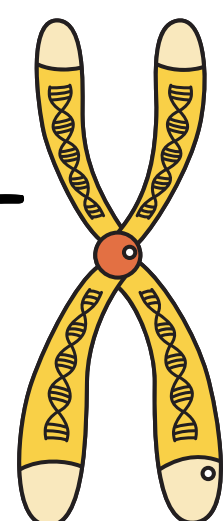
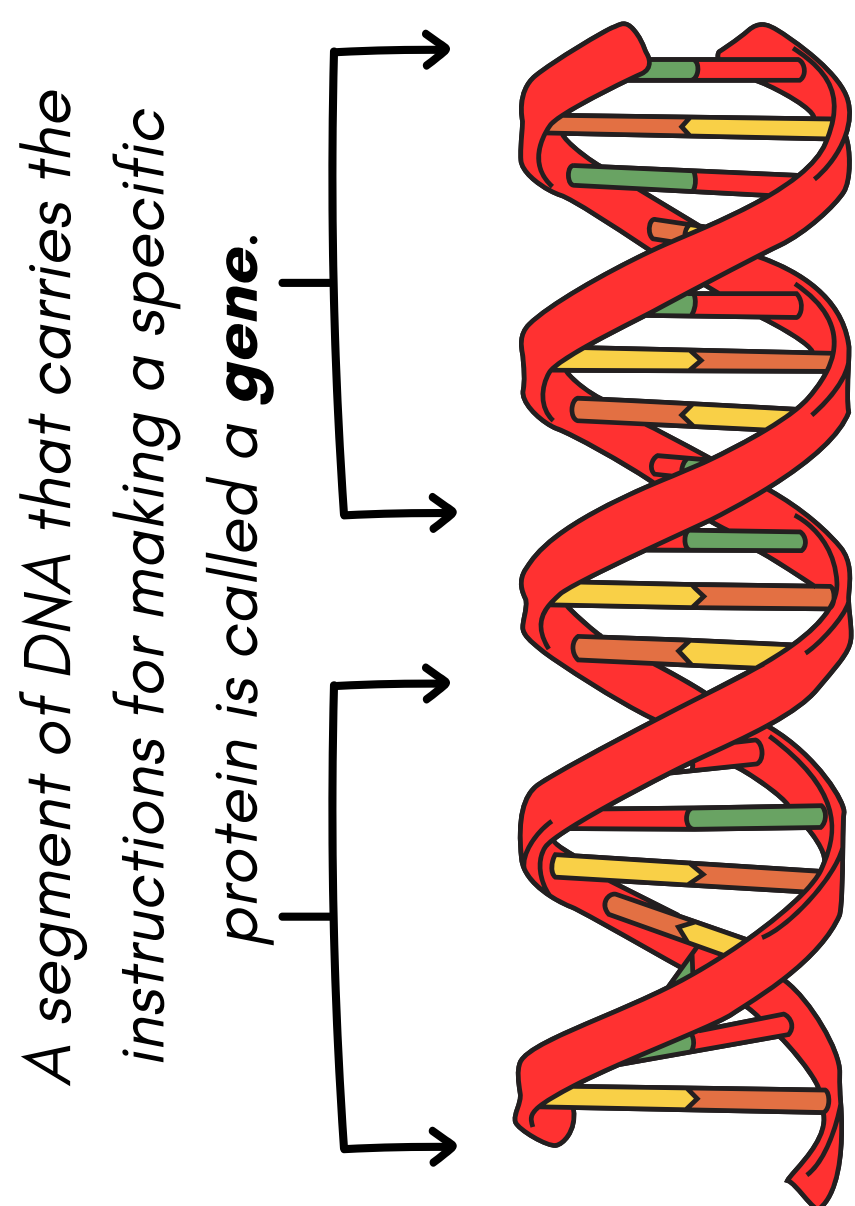


## NUCLEOTIDES

The order of nucleotides within a strand of DNA forms a special genetic **code**. This code provides instructions for the development, growth and functioning of all living things.

## CHROMOSOMES

Humans have a total of 46 DNA molecules. These are organised into long, coiled-up structures called **chromosomes**.



Chromosomes are found in the **nucleus** (control centre) of the cell.

They are responsible for the genetic information that is passed down from parents to children. Humans have 23 pairs of chromosomes in each of their cells.