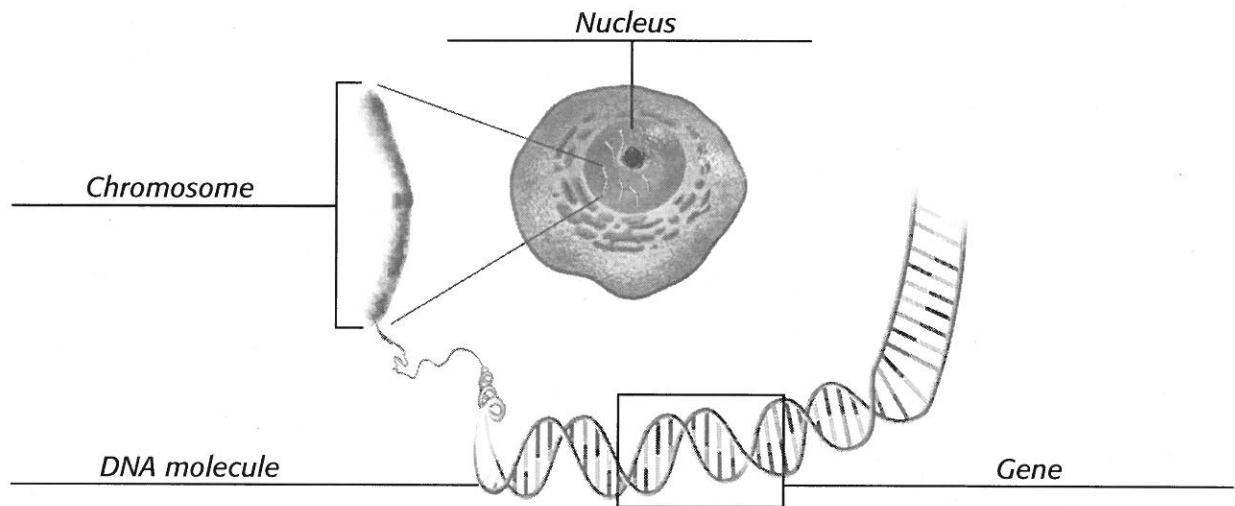




DNA and Genetic Material

DNA

- Part of the human cell that contains genetic material: Nucleus
- Information contained in genetic material: All instructions the cell needs to function properly
- Name of molecules that contain genetic information: DNA
- Complete the following diagram:



- Describe the structure of the DNA molecule: The DNA molecule is made up of two long chains that are coiled like a telephone cord to form a double helix.
- The abbreviations for the four nitrogen bases that form nucleotides are shown below. Write down the name that corresponds to each abbreviation.
 - A: Adenine
 - T: Thymine
 - C: Cytosine
 - G: Guanine