|  |  |
| --- | --- |
| Gene | Small section of a chromosome made of DNA |
| DNA | Double stranded helix made up of complementary bases and a backbone |
| 4 DNA bases | A,T,C and G |
| A pairs with  | T |
| G pairs with | C |
| Order of DNA bases | Determines the order of amino acids in a protein |
| mRNA | Copies the DNA code for making a protein inside the nucleus |
| mRNA  | Carries the DNA protein code from the nucleus to the ribosome |
| Ribosomes | Where proteins are made (or assembled) from amino acids |
| The order of amino acids | Determines the shape and function of the protein produced |
| Structure of a protein  | Is important for its function as proteins have a specific shape |
| Proteins can be  | Structurual, enzymes, hormones or antibodies |
| Haemoglobin | An important enzyme that carries oxygen |
| Catalase  | An important enzyme that breaks down hydrogen peroxide |