Chp 6 biology

DNA

- DNA means deoxyribo nucleic acid
- It is the chemical that will make all the genetic material in the cell
- DNA decides what inherited traits you have
- DNA is the nucleus of animal and plant cells and it is a long structures called chromosomes
- Chromosomes come in pairs
- DNA It is a polymer, it has two strands twisted together in a double helix shape

- Every living thing has DNA
- DNA give all instruction to build organism
- These instructions are different for each type of organism

Genes make protein

- A gene is a small part of DNA on a chromosome
- Each gene codes for protein basically tells the cell which amino acid to join and in what order
- Only 20 amino acids are used but they make thousands of proteins

- genes tell cells what protein to make like haemoglobin or Keratin
- Proteins decide what type of cell it will be red blood cell or skin cell

Every organism has a Genome

- Genome is all the DNA in on organism
- scientist have worked out the complete Human Genome
- studying the Human Genome is very important because
- it help scientist find genes linked to diseases
- knowing these genes can help understand diseases and develop treatments
- scientist can studies genomes to trace human migration