

Cells and Transport







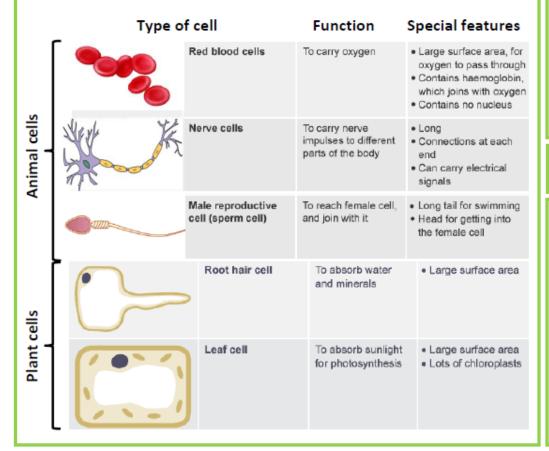
Nerve Cells

Blood Cells

LO: To be able to label and describe the functions of organelles in animal, plant and certain specialised cells.

Specialised cells:

Specialised cells are found in multicellular organisms. Each specialised cell has a particular function within the organism.

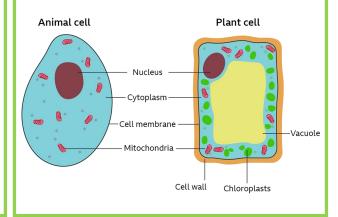


Diffusion:

The movement of particles from a high concentration to a low concentration.



Cells: Cells are the smallest units living things are made up of and are the building blocks of life.



Unicellular Organisms: Organisms that are only made of one cell and can do everything they need to survive without tissues and organs.

| Organelle | Definition |
|---------------|--|
| Cell wall | Made of cellulose, which supports the cell |
| Cell membrane | Controls movement of substances into and out of the cell |
| Cytoplasm | Jelly-like substance where chemical reactions happen |
| Nucleus | Contains genetic information (DNA) and controls the activities inside the cell |
| Vacuole | Contains cell sap which keeps the cell rigid |
| Mitochondria | Where respiration occurs to release energy from glucose |
| Chloroplast | Where photosynthesis takes place |