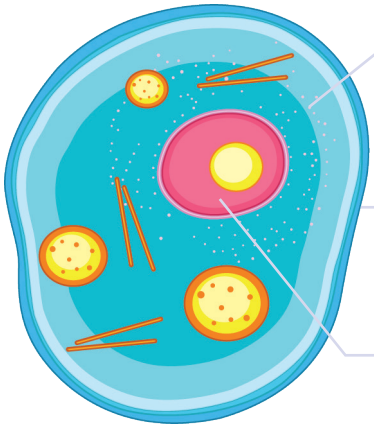
Cell Systems

Animal Cell

Found in both cells



Cytoplasm
Jelly-like substance that allow substances to move **within** the cell

Cell membrane
- **Partially permeable** layer surrounding the cytoplasm
- **Control substance going in and out of the cell**

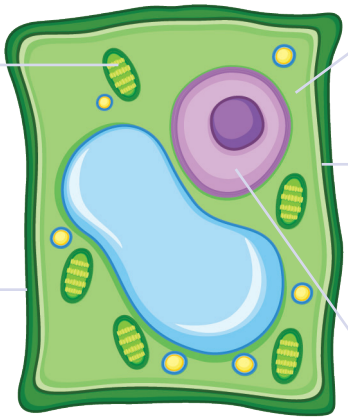
Nucleus
- **Control centre**, controls all the activities taking place in
- the cell
  Contains genetic information

Plant Cell

Found only in plant cells

Chloroplasts (Only in leaf cells)
- Contains **chlorophyll**, allowing the plant to absorb sunlight to make food

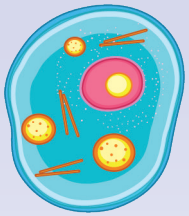
Cell wall
- Made of **cellulose**
- **Supports** the cell
- **Gives the cell regular shape**



Cytoplasm
Jelly-like substance that allow substances to move **within** the cell

Cell membrane
- **Partially permeable** layer surrounding the cytoplasm
- **Control substance going in and out of the cell**

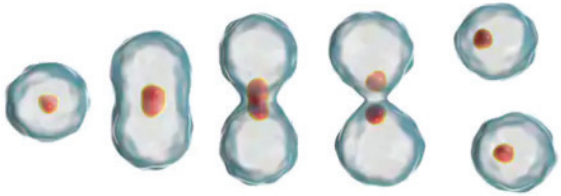
Nucleus
- **Control centre**, controls all the activities taking place in
- the cell
  Contains genetic information



Factor	Animal cell	Plant cell
Cell wall	No cell wall, does not have a regular shape	Cell wall gives the cell a regular shape
Chloroplasts (for leaf cells)	No chloroplasts, so the animal cannot make its own food	Allows the plant to make its own food

Cell Reproduction

- Cells reproduce by splitting into 2. This is known as **cell division**.
- A "parent" cell splits to form 2 new "daughter" cells.



© Achievers Dream