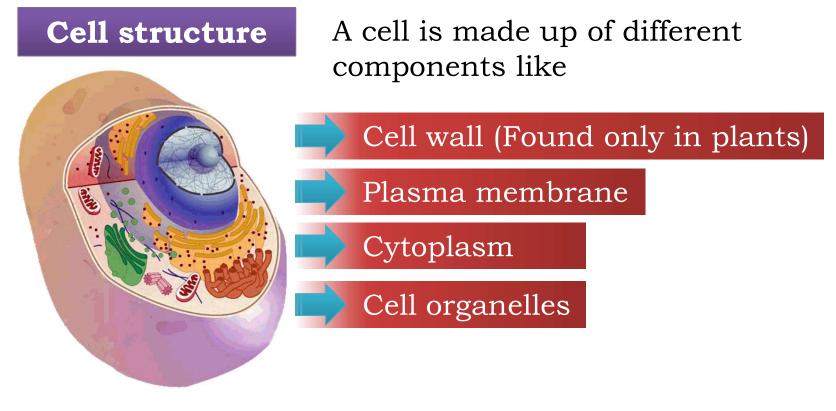
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Shapes of Cells

Different cells Frave pithe The shape and size of the galthage related functions to the specific function they perform.

- Spindle shaped Eg/
- Oval Eg. Ovum og
- Irregular Eg. Amoê
- Circular Eg. Fat cells
- Branched Eg. Nerve cell
- Spiral Eg. Spirillum bacteria
- Rectar Spring spage dells of Spirogyra
- Rod shaped Eg. Bacillus bacteria

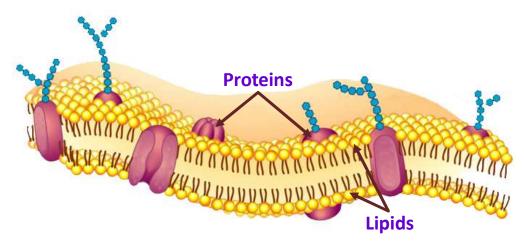


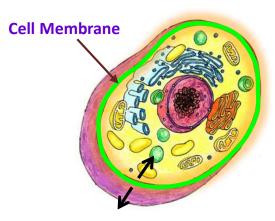
Let us see them one by one

Plasma membrane

It is also called as cell membrane

- ▶ It is the thin outer covering of a cell.
- ▶ It separates the contents of the cell from external environment.
- ► The plasma membrane is flexible and is made up of organic molecules called lipids and proteins.





Plasma membrane

- ▶ The plasma membrane allows or permits the entry and exit of some materials in and out of the cell.
- ▶ It also prevents the movement of some other materials.
- ► Therefore, the plasma membrane is called as a selectively permeable membrane.

How does the movement of substances take place inside and outside the cell?



- ▶ For e.g. when the concentration of CO_2 inside the cell increases, the CO_2 moves out of the cell by diffusion.
- ► Similarly when the concentration of decreases, the O₂ moves from outside

From high concentration to low concentration

