

Cell wall : the next part

Found ONLY in plant cells

It is a rigid outer covering of the cell

It is present outside the cell membrane

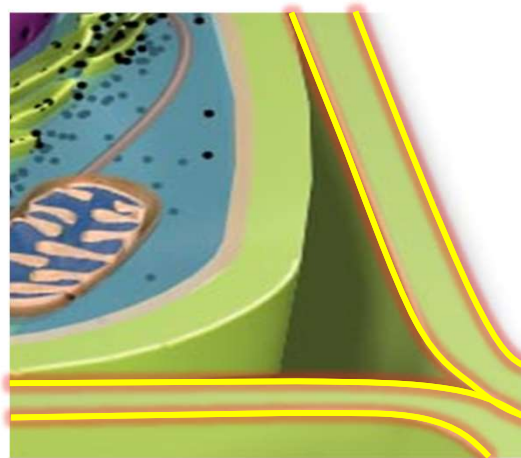
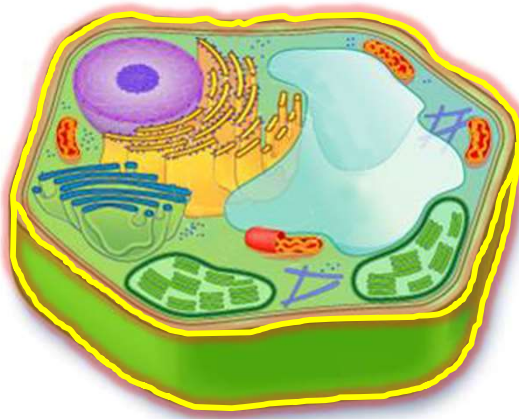
It is made up of cellulose

Cellulose is a complex substance
strength to plants.

Allows all substances to enter
and leave the cell freely

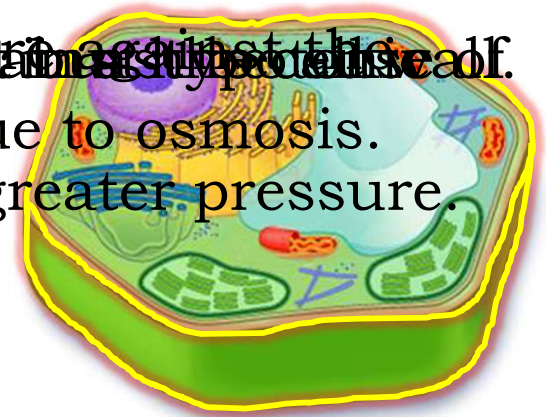
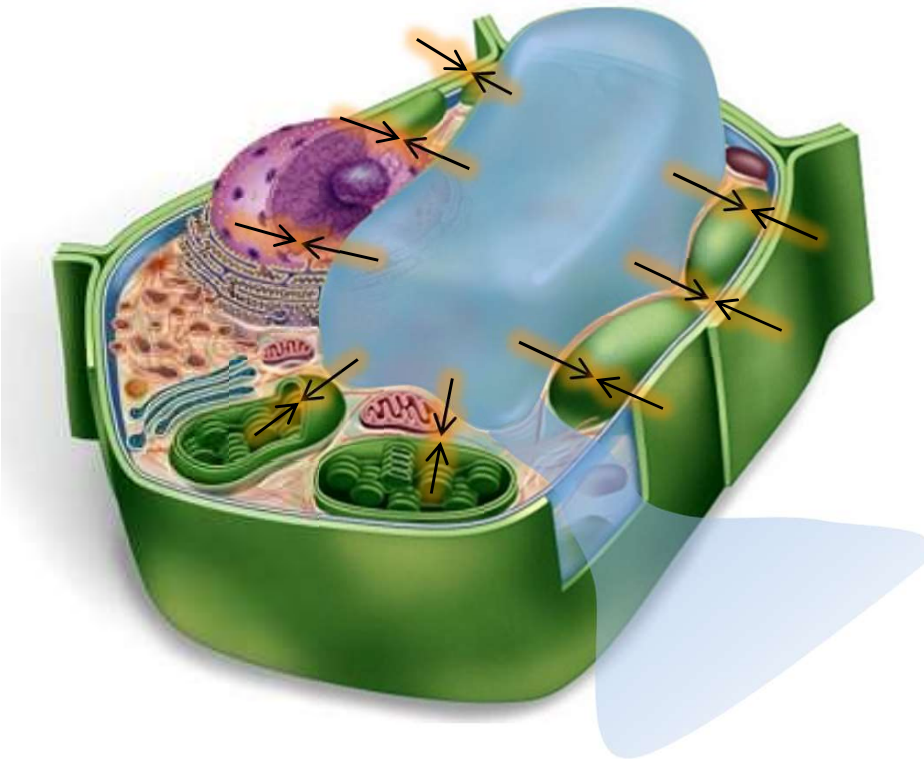
A type

It is non living and freely permeable



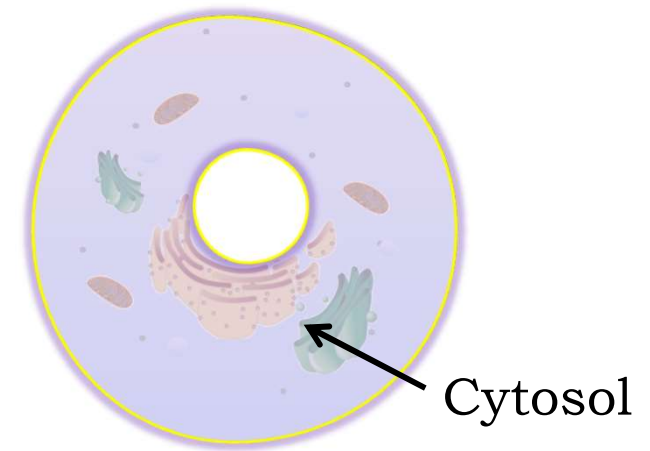
Functions of cell wall :

- It with cell wall exerts an internal pressure against the cell.
- It helps in maintaining cell shape and prevents it from shrinking.
- It helps cell absorb water and swells due to osmosis.
- Gives definite shape to the cell.
- Because of this the cell can withstand greater pressure.



Cytoplasm :

- It is a jelly-like fluid inside the cell.
- It lies between plasma membrane and nucleus.
- Many cell organelles lie in the cytoplasm.
- All the cellular chemical reactions take place in the cytoplasm.
- It stores vital substances like amino acid, glucose, vitamins etc.
- The part of cytoplasm other than the organelles is called cytosol.



Cell organelles :

- An organelle is a specialised subunit within a cell that has a specific function.
- Example, making new material in the cell, clearing up the waste material from the cell, etc.
- A cell is able to live and perform all its function because of these organelles.
- All the cell have the same organelles, no matter what their function is or what organism they are found in.



Let us see them one by one