

* stability of Plasma membrane :- (2)

(i) Eukaryotic cell :- cholesterol

(ii) Prokaryotic cell :- Hopanoids;

* Oligosaccharides helps in cell to cell recognition (glycoprotein and glycolipids)

* Spectrin Provides mechanical support to the cell

cell wall compositions

1) Algae :- cellulose, galactans, mannans, CaCO_3 .

2) plant cell wall :- cellulose, hemicellulose, pectin & Proteins.

3) Major component of bacterial cell wall is Peptidoglycan (Muramic Acid)

* Plant cement :- Ca & Mg Pectates

* Functions of Endoplasmic Reticulum:-

- 1). Mechanical support - (Endoskeleton)
- 2). Intracellular transportation.
- 3). Protein synthesis (RER)
- 4). Lipid synthesis (SER)
- 5). ↑ surface area for metabolism
- 6). Formation of nuclear membrane
- 7). Detoxification
- 8). Cell excretion (cell division)

→ 80s Ribosome is attached on E.R with help of Ribophorin I & II

