3:6 The Plasma Membrane

* Organisms must adjust to changes in their environment.
* Living cells maintain a balance by controlling materials that enter and leave. This is accomplished by the CELL MEMBRANE, which is selectively permeable.

SELECTIVELY PERMEABLE: membrane that allows some materials to pass through (water glucose, nutrients) while keeping others out (wastes).



### phospholip purple labelsStructure of the Cell Membrane

1. It is a BILAYER, a structure made up of 2 layers.
2. Each layer is made up of a sheet of lipid (fat) molecules.
3. Protein molecules are embedded in the lipid bilayers.
* help to move large molecules
* attached on the surface
1. Heads contain glycerol and a phosphate are HYDROPHILLIC (“water” “loving”)
2. Tails are made of two fatty acids and are HYDROPHOBIC (“water” “fearing”)