

Source: [KBhBIO101StructuresOfLipids](#)

1 | Cell Membrane

Fluid mosaic model

Some Phospholipids connected as a “phospholipid bi-layer” (see [KBhBIO101StructuresOfLipids](#) structure

- Charged head
- Nonpolar tail
- Also includes...
 - Cholesterol
 - Cells communicate
 - Proteins
 - Makes sure the right molecules get in/out
 - Nonpolar Oxygen + CO₂ could easily get through
 - Polar and charged molecules can't get through, unless...
 - Channelled proteins let specific polar particles through
- Cell Transport => how chemicals get in + out of the cell
 - Passive diffusion
 - Passive diffusion => nonpolar things simply “fall in”
 - Facilitated diffusion => polar molecules selectively get through protein channels
 - Active transport
 - ATP shepherds elements in
 - Bulk transport across the plasma membrane occurs by exocytosis and endocytosis.