

Source: [KBhBIO101StructuresOfLipids](#)

1 | Cell Membrane

Fluid mosaic model

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

- Charged head
- Nonpolar tail

So, head aligns and tail aligns, creating the basic structure of the membrane:

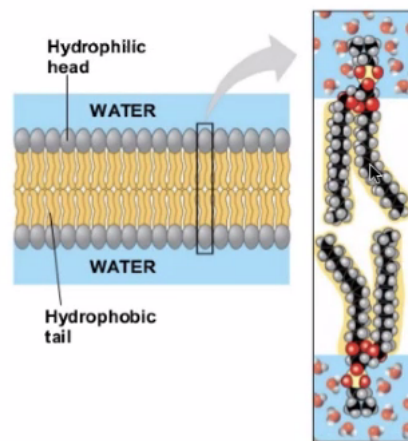


Figure 1: Screen Shot 2020-09-09 at 3.08.10 PM.png

Stuff in the membrane

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... - Channel proteins let specific polar particles through - Cell Transport => how chemicals get in + out of the cell - Passive diffusion - Passive diffusions => nonpolar things simply “fall in” - Facilitated diffusions => polar molecules selectively get through protein channels - Active transport - ATP shepherds elements in - Bulk transport across the plasma membrane occurs by exocytosis and endocytosis.