Source: [KBhBIO101StructuresOfLipids]

1 | Cell Membrane

Fluid mosaic model

Some Phosopholipids connected as a “phosolipid bi-layer” (see [KBhBIO101StructuresOfLipids] structure

- Charged head
- Nonpolar tail

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

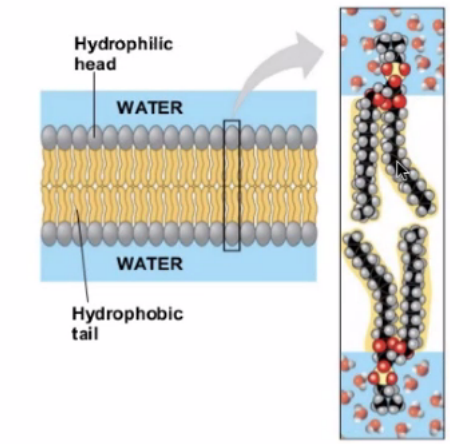

Figure 1: Screen Shot 2020-09-09 at 3.08.10 PM.png

Stuff in the membrane

Cholesterol

Helps cells communicate

Proteans

- Makes sure the right molecules gets in/out
- Nonpolar Oxygen + CO2 could easily get through
- Polar and charged molecules can’t get through, unless…
- Channeled proteins let specific polar particles through

Cell Transport

How chemicals get in + out of the cell

Passive diffusion

- Passive Passive diffusions => nonpolar things simply “fall in”
- Facillitated diffusions => polar molecules selectively get throgh protean channels

- Active transport
- ATP sheperds elements in

- Bulk transport across the plasma membrane occurs by exocytosis and endocytosis.