

**Source:** [KBhBIO101StructuresOfLipids](#)

#disorganized

## 1 | Cell Membrains

- Variety of components
- Suspended in “fluid mosaic”
- Phospholipids in fluid mosaic
  - Charged head
  - Nonpolar tail
  - “bi layer”
- Also includes...
  - Cholesterol
    - Cells communicate
  - Proteins
    - Makes sure the right molecules get in/out
    - Nonpolar Oxygen + CO<sub>2</sub> 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 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.