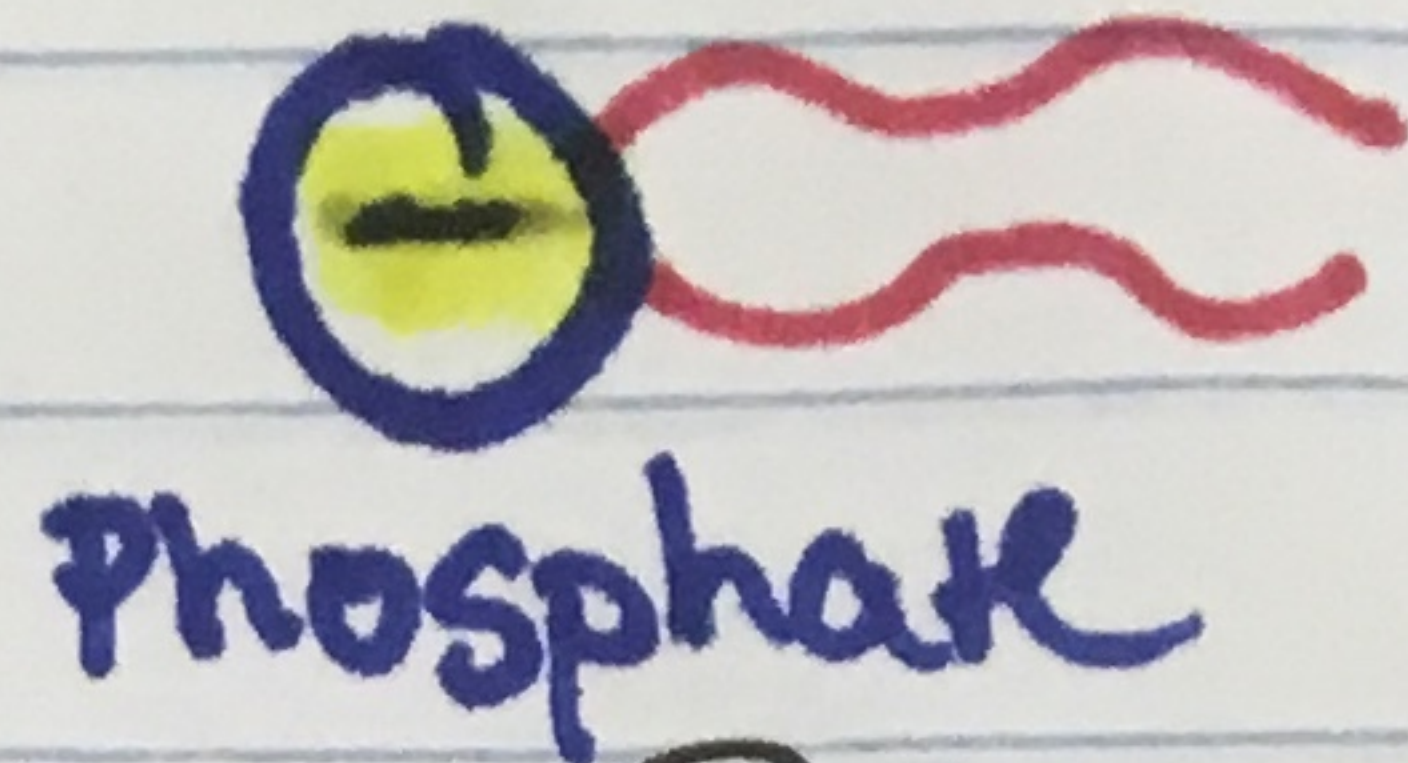


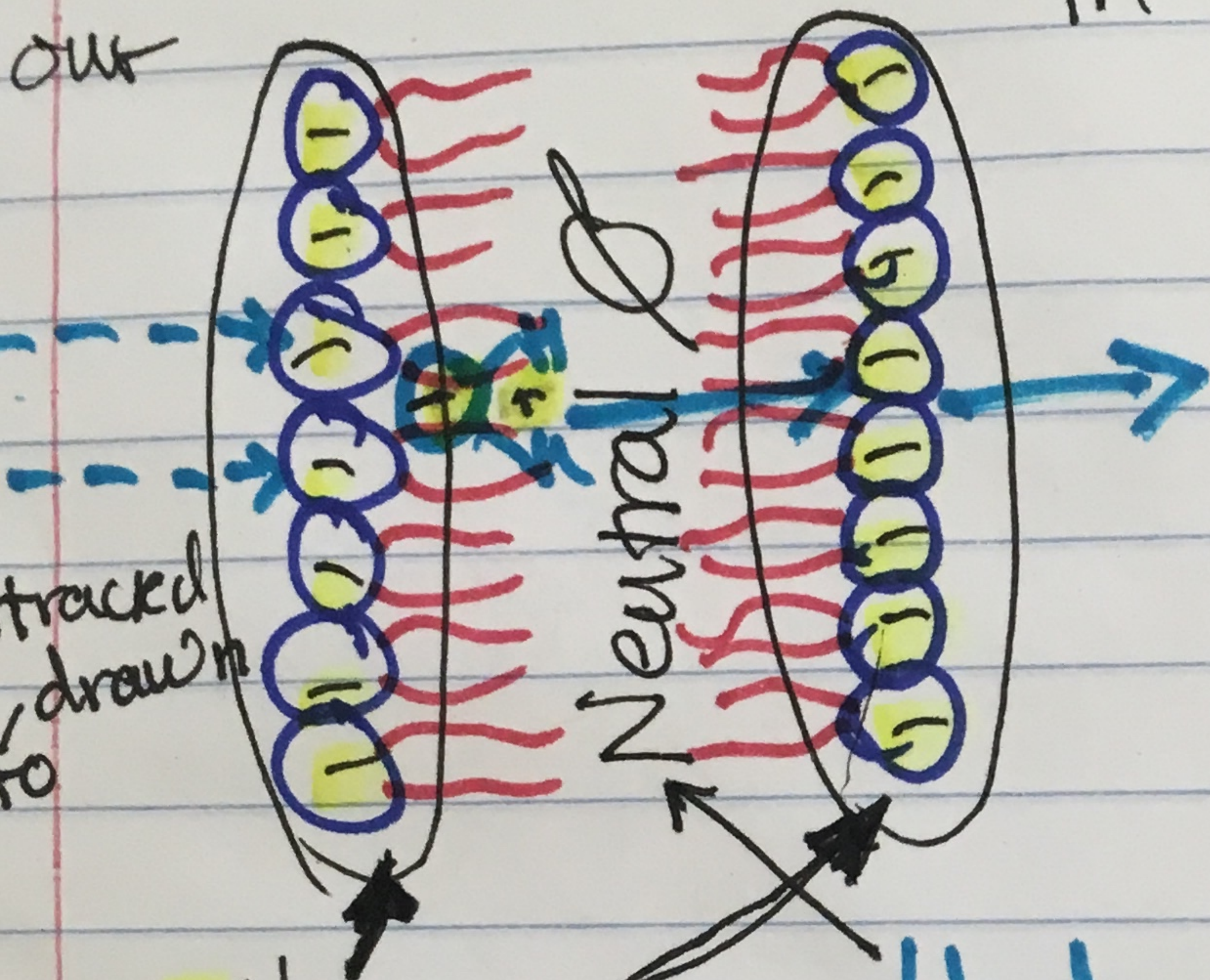
How do Cells Maintain Homeostasis w/ the Cell Membrane?

Phospholipid Simple diagram:



Fatty Acid
Tails

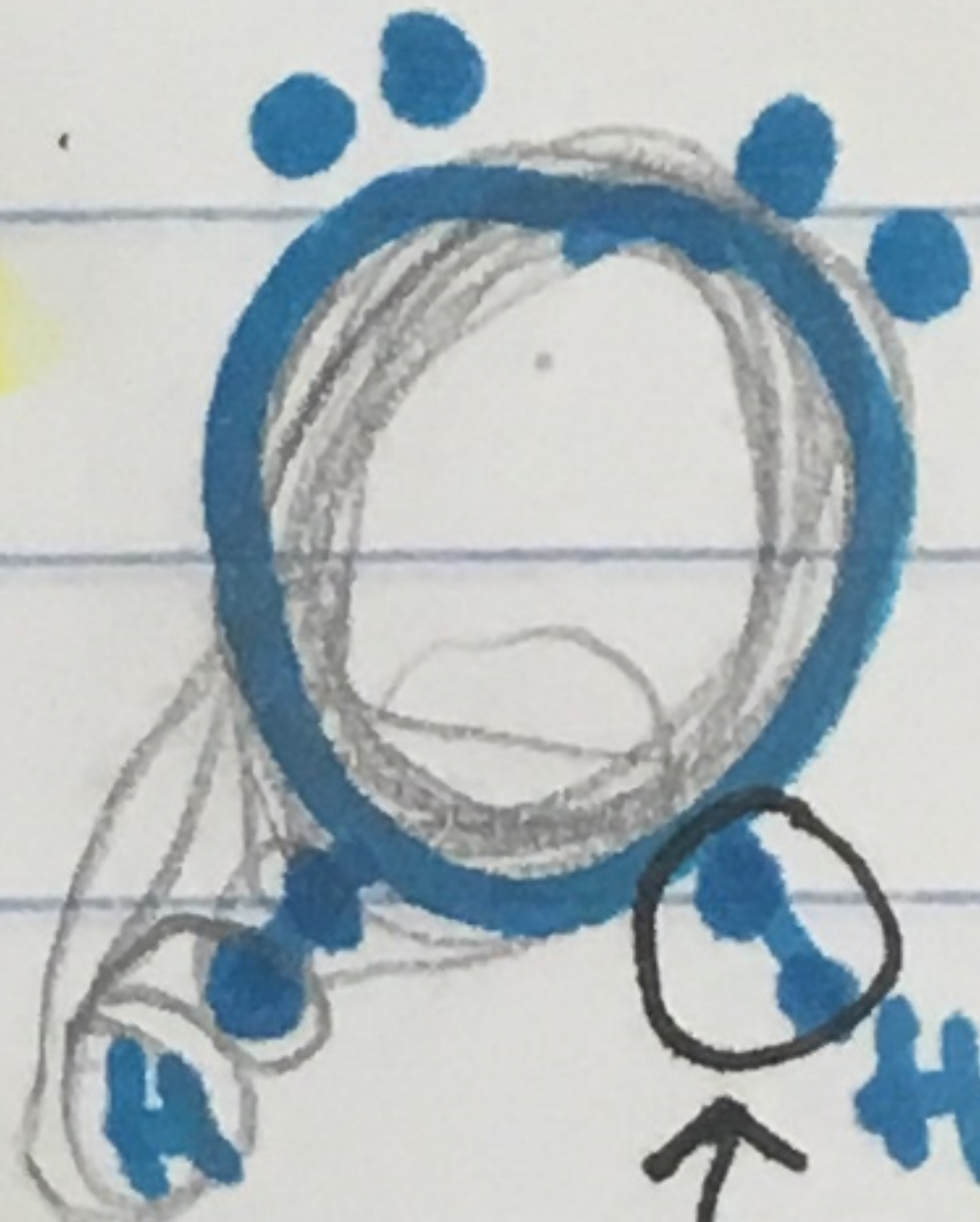
Cell Membrane: Phospholipid Bilayer "True Barrier"



opposite ends

Polar Molecule enter/exit
Part of molecule has charge

Slight negative



Oxygen is big, e⁻ stay near it more

Slight positive

Bond: shared e⁻

-charge
Hydrophilic loving
water - Attract H₂O

Hydrophobic fearing
water - Repel H₂O

Water moves through membrane
• Because Small
• Because Polar

Types of Membranes

Permeable
All substances can move through

Semipermeable
Some things can move through
Cell Membrane

Impermeable
Nothing can move through