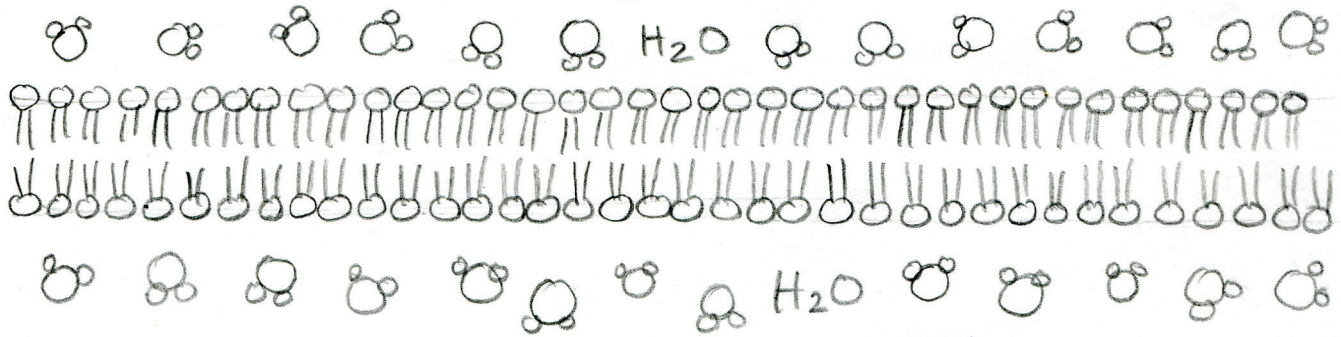
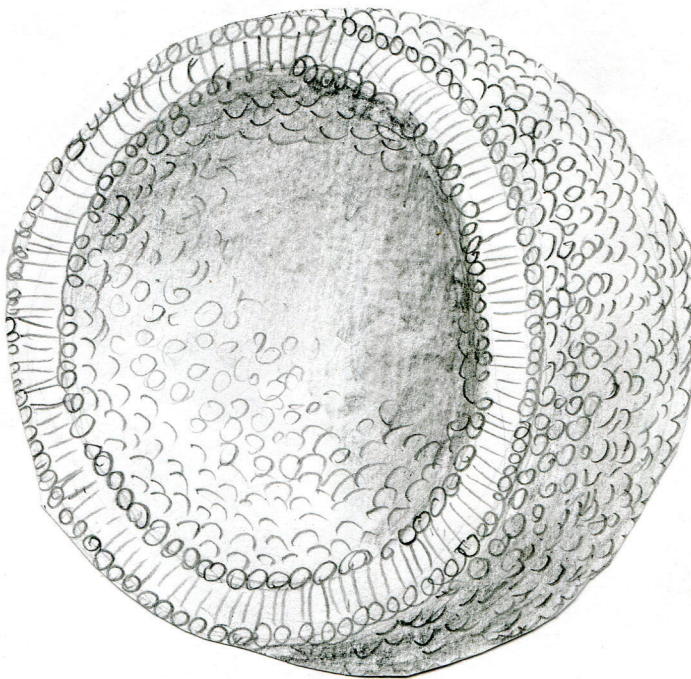


In a polar substance (like water) phospholipids form a bilayer with the hydrophobic tails pointing to the inside.



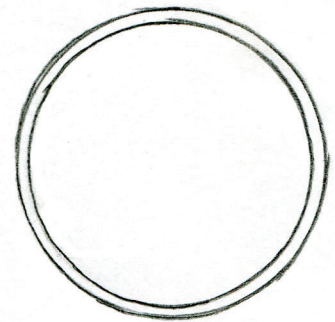
Phospholipids will form a sphere. This is the basic structure of all membranes.



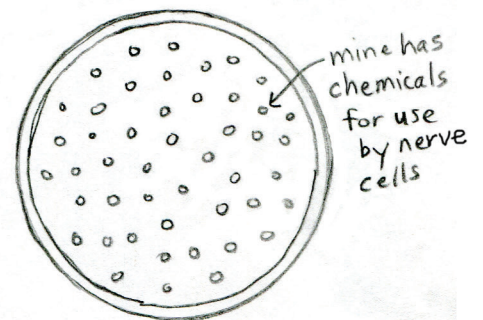
An empty phospholipid sphere is called a liposome.
"Lipo" is Greek for "fat," and "soma" is Greek for "body."

Liposomes form basic cell parts such as:

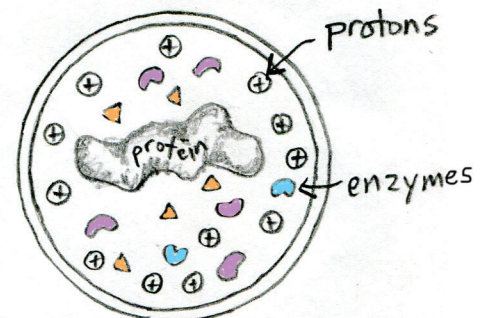
VACUOLES: empty "bubbles" filled with water or air



VESICLES: "storage bags" used to transport things around the cell



LYSOSOMES: vesicles that are acid inside and contain digestive enzymes



*"Lys" means "to dissolve or break apart."