

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

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

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 acidic inside and contain digestive enzymes

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