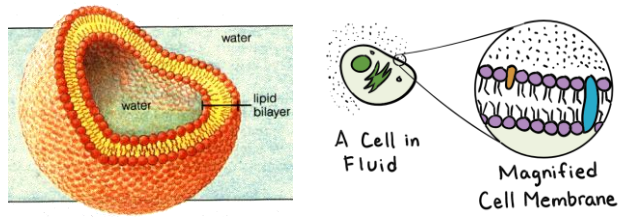


Notes - The Cell Membrane & the Fluid Mosaic Model

A. The functions of the cell membrane:

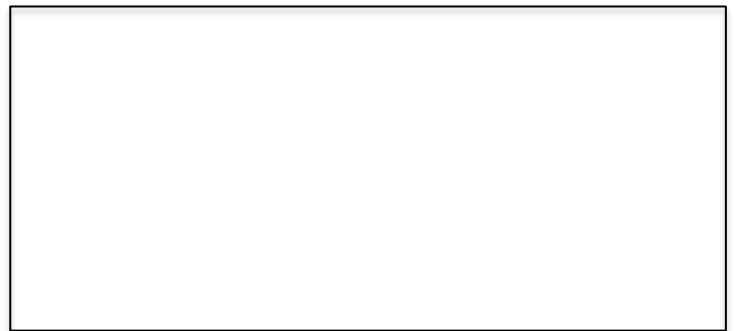
1. _____
2. _____
 - Homeostasis _____
3. _____



B. 4 main parts of the cell membrane

1. _____
2. _____
3. _____
4. _____

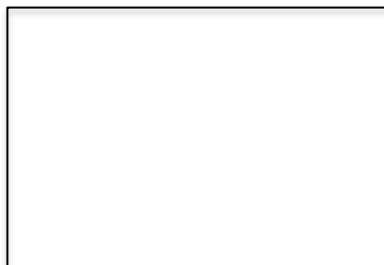
Sketch and label the cell membrane (“**phospholipid bilayer**”):



C1. Phospholipids

- Make up _____ of the mass of the cell membrane
- The phosphate head is _____, so it is also _____
 - **Hydrophilic** means it is _____
- The fatty acid tails are _____, so it is also _____
 - **Hydrophobic** means it is _____

Sketch and label a single phospholipid:

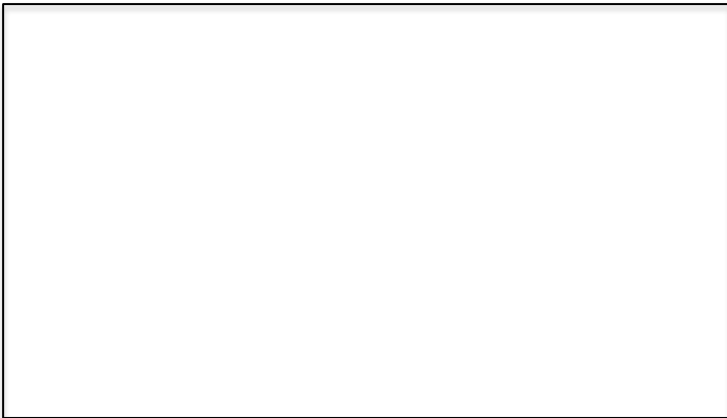


C2. Phospholipid Bilayer

Phospholipids are arranged in _____ layers within the cell membrane:

- The outer layer consists of _____, attracted to water in the _____
- The middle layer consists of _____, repelled by _____ inside the cell and outside the cell
- The outer layer consists of _____, attracted to water in the _____

Sketch and label the phospholipid bilayer



D. Cholesterol

- Location

- Function

E. Proteins

Two types:

1. _____
 - Location: _____
 - Function: _____
2. _____
 - Location: _____
 - Function: _____

F. Carbohydrates

- Location _____
- Function _____

G. The Fluid Mosaic Model

- Model: _____
- Mosaic: _____
- Fluid: _____