



Plasma Membranes

Functions of the Cell Membrane:

- 1) _____

- 2) _____

- 3) _____

- 4) _____

- Described by the _____ as:
 - i) 'Fluid': ability of the phospholipids to _____.
 - ii) 'Mosaic': _____ molecules arranged to make up the membrane.

There are four parts to a cell membrane

- 1) _____
- 2) _____
- 3) _____
- 4) _____

Phospholipids

Use this space to sketch a phospholipid

- Phospholipids provide the overall _____ for the cell membrane.
- Arranged in _____ layers _____.
- Acts as a _____ between the cell and its surroundings.

• Phospholipids contains a:

- _____ Head
(hydrophilic = water _____)
- _____ Tail
(hydrophobic = water _____)

Use this space to sketch how phospholipids align themselves in an aqueous solution

Proteins

- Some _____ materials across the membrane.
- Some are _____, control chemical reactions.
- Some _____ signals from other cells in the body.

Two types of proteins in the cell membrane:

- _____: Exposed to environment on both sides of the membrane
- _____: Located on surface of a membrane.

Use this space to sketch and label both types of proteins in a cell membrane

Cholesterol

- Cholesterol allows cells to function in a wide range of temperatures and controls _____.

Carbohydrates

- Attach to _____ or _____ outside the cell.
- Allows cells to _____ each other.