The cell membrane: The FLUID MOSAIC MODEL is known as the PHOSPHOLIPID BI-LAYER

Function:

1. Separates the inside of the cell from the outside of the cell
2. Maintains homeostasis by controlling what goes in and out of the cell
3. Receives information for the cell
4. Identifies the cell

Structure:

1. Phospholipids
2. Proteins
3. Carbohydrate chains

Phosphoplipids: Draw a phospholipid below

The bi-layer of phospholipids

The Proteins:

Transport in and out of the cell:

1. Moves freely in or out (diffusion) – oxygen, carbon dioxide, water
2. Uses a transport protein without energy (facilitated diffusion) – glucose
3. Uses a protein pump (active transport) – sodium and potassium



