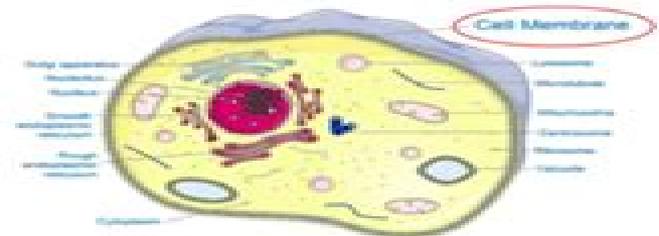


The Cell Membrane and Cell Transport

Part 1: The Cell Membrane

The Cell Membrane:

- Recall that the cell membrane is the structure found in both plant and animal cells that controls the movement of materials both into and out of the cell

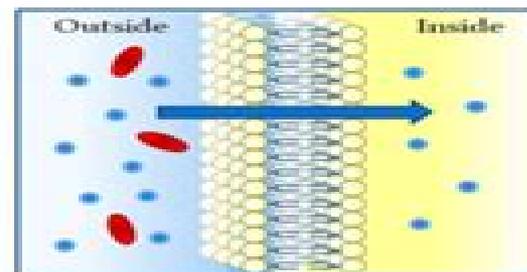


Functions of the Cell Membrane:

- Separates the contents of the cell from the external environment
- Serves as a barrier for which substances can enter and exit a cell
- Recognizes chemical signals (messages) which will trigger the cell to react in a particular way

Selective Permeability:

- The cell membrane is considered selectively permeable, which means that some molecules can pass through, and some molecules cannot
- It maintains balance both inside and outside the cell



Some molecules can cross the membrane while other cannot.

Structure of the Cell Membrane:

- Made up of a double layer of "phospholipids"
- A phospholipid is made of two parts:
 - Phosphate Head - Hydrophilic, or "water-loving"
 - Lipid Tails- Hydrophobic, or "water-fearing" (think oil, a substance that does not dissolve in water)



Guided Cell Answer

R Sandford



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