Cell Membrane Guided Notes Day 1

The cell membrane is composed of a Phospholipid Bilayer.

Phospho = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lipid = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Bi = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Layer= \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Two parts of a phospholipid:

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ “head”

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ “tail”

Hydrophobic

* Hydro = \_\_\_\_\_\_\_\_\_\_ + Phobic= \_\_\_\_\_\_\_\_\_\_\_\_\_
* Hydrophobic = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Hydrophilic

* Hydro= \_\_\_\_\_\_\_\_\_\_\_ + Philic= \_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Hydrophilic = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

What is selectively Permeable?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Selective- to choose

Permeable- to pass through

What is a protein channel?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How can the membrane break and rejoin?

The phospholipids are attracted to each other but are fluid (able to move around).

This means that if the cell membrane is broken it will repair itself.

This can help move larger items in and out of the cell.

Types of Cellular Transport

 Exocytosis: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Endocytosis: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Transport Vesicles: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_