

Name _____

In Da Club Video HW

The cell membrane is semi-permeable or _____ permeable, which means only certain substances can pass through based on _____ and _____. The cell membrane is vital in separating the inside of the cell from the outside world. Some materials move freely into and out of the cell, while others do not.

Passive transport doesn't require any _____ which allows necessary materials like _____ and _____ to get into cells easily. Molecules like to disperse themselves evenly within the container they are in. The process of molecules moving to less crowded places is called _____. When water is the molecule moving it is called _____. Materials like to move along the concentration gradient, this means they move from an area of _____ concentration to an area of _____ concentration. Molecules that are either too big, or charged have trouble passing through the phospholipid bilayer and need to go through _____.

Many chemicals move into our cells against the concentration gradient, this means they move from a _____ concentration to a _____ concentration. This requires _____ and is called _____ transport. One very important example of this is the _____ - _____ pump, this moves charged sodium and potassium ions backwards across the concentration gradient and must pay a "fee" to do so (_____).

Vesicular transport is when small sacs made of _____ just like the cell membrane are used to transport materials. When materials are transported out of the cell it is called _____ and when things are transported into the cell it is called _____. Phagocytosis stands for _____ which is commonly done by white blood cells in order to destroy invaders.