**Cell Vocabulary**

Cell

Nucleus – Contains DNA. Controls cellular activity

cell theory – Cell is smallest unit of life. All life is made up of cells

 vacuole – Only in plant cells. Stores.

Eukaryote – type of cell with nucleus and organelles. All cells but bacteria

 Prokaryote – First cells. Simple. Only bacteria

 Organelle – Cell parts

cytoplasm – watery substance that fills cells

chromatin - DNA

 ribosome – In all cells. Where protein synthesis takes place

nuclear envelope – surrounds nucleus
chromosome – Coiled up DNA

mitochondrion – cell part where energy is made

 chloroplast – Only in plants. Photosyntheis takes place.

Phospholipid – Makes up the cell membrane

Polar – Likes water

non-polar – Does NOT like water

golgi – cell part that finishes proteins
endoplasmic reticulum – cell part involved in transport of substances within the cell

cell membrane – Separates in the cell from outside. Maintains homeostasis by controlling what goes in and out of cell

cell wall – In plant cells and bacteria. Protect cell

lipid bilayer – 2 layers of phospholipids. Makes up cell membrane

 diffusion – movement of molecules from hiconcentration to low

 osmosis – diffusion of water

active transport – movement of molecules from low to high using energy

 passive transport – Movement of molecules from high to low with NO energy