


- Describe significant similarities and differences in the basic structure of plant and animal cells.
- Explain the role of the cell membrane in supporting cell functions.
- Prokaryotic cells, eukaryotic cells (including those from plants and animals), and viruses differ in complexity and general structure.

Key Vocabulary	Assignments	Due
<p>Active Transport Cell Cell Wall Cellulose Centriole Chloroplast Chromosome Cilia Concentration Gradient Cytoplasm Contractile vacuole Diffusion DNA Endocytosis Endoplasmic Reticulum (ER) Equilibrium Eukaryote Exocytosis Facilitated diffusion Flagella Golgi Apparatus Hypertonic Hypotonic Isotonic Lysosome Metabolism Microtubule Mitochondria Nuclear Membrane Nucleolus Nucleus Organ Organelle Organism Osmosis Passive Transport Phagocytosis Pinocytosis Prokaryote Ribosome Sodium-potassium pump System Tissue Turgor pressure Vacuole/Vesicle Virus</p>	<p>#1 - Cells are the Units of Life (Introduction & 5.1)</p> <ol style="list-style-type: none"> Put the following parts of an organism in order from simple to most complex: body systems, molecules, organs, cells, tissues, and organism. What are the two statements that summarize the cell theory? Explain why is it the Cell THEORY and not the Cell LAW? <p>#2 - Read pages 125 to 128 (5.3)</p> <ol style="list-style-type: none"> Create a T chart that compares and contrasts prokaryotic and eukaryotic cells. <p>Optional Assignment: (5 points)</p> <ol style="list-style-type: none"> Define the key vocabulary words in normal English. 	<p style="text-align: right;"> CP Bio</p>

Cells and Organelles

Types of Cells		Virus	Light Microscope	Electron Microscope
-Eukaryotic				
- Prokaryotic			Magnification	Resolution
Organelles				
Cell Membrane	Cytoplasm	Ribosome	Endoplasmic Reticulum	Cell Wall
Golgi Apparatus	Cytoskeleton	Nuclear Membrane	Mitochondria	Chloroplast
		-Nucleoli		
Transport		Cell Theory		Vacuole
Active	Passive	1. 2. 3.		
Diffusion	Osmosis	Concentration Gradient		Homeostasis