**Unit 1 Test**

**Thursday, September 29, 2016**

* Scientific method [be able to identify manipulated variable, responding variable, control/control group given an experiment]
* Abiogenesis, spontaneous generation, biogenesis
* Significance of Frances Redi and a summary of his experiment
* Identify the 3 parts of Cell Theory
* Two types of cells [Eukaryotic vs prokaryotic cell]
* Cell membrane [structure and 3 functions]
* Hydrophobic/hydrophilic
* Organelles [nucleus, nucleolus, ribosomes, smooth/rough endoplasmic reticulum, golgi apparatus, lysosomes, mitochondria, vacuole, chloroplast]
* Passive transport [diffusion] be able to define and apply
* Osmosis
	+ Define
	+ Draw and explain 3 scenarios for osmosis
	+ Application
* Active transport
	+ Define
	+ Endocytosis/exocytosis
	+ Phagocytosis, pinocytosis
* Microscope
	+ Technique
	+ Parts
* Guided readings
* Go over textbook questions assigned throughout the unit

**You are responsible for all material to date.**