**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.**