* Know differences between prokaryotic and eukaryotic cells
* Know at least 3-5 differences between animal and plant cells
* Know the differences between the SEM, TEM, and LEM
* Know the following organelles, their functions, and how they support life
  + Ribosome, lysosomes, cell membrane, mitochondria, nucleus, golgi bodies, endoplasmic reticulum (rough and smooth), flagella, nucleoid region
* Know how to calculate magnification (will be covered during lab)
* Know the difference between theories and laws
* Know the 5 guys that took 200 years to come up with the cell theory