Chapter 8 & 9 Test: What to Know

- autotroph / heterotroph and examples of each
- ATP & ADP: structure and how energy is stored/released
- overall equation for photosynthesis
- overall equation for cellular respiration
- pigments: function and location
- chloroplasts: structure – thylakoids/grana & stroma,
- photosynthesis <u>diagram</u> – inputs/outputs and locations
    - light dependent rxns – where?
    - light-independent rxns (Calvin cycle) – where?
    - how ATP & NADPH fit in
- NADPH & NADP+ : function and how energy is stored/released
- factors affecting rate of photosynthesis
- cellular respiration <u>diagram</u> – inputs/outputs and locations
    - what organelle is the location of the process?
- aerobic & anaerobic
- fermentation – alcoholic & lactic acid
- exercise and time frame for lactic acid fermentation, cellular respiration
- weight loss and time frame for aerobic exercise
- cellular respiration – what kind of cells does it occur in?
- efficiency of cellular respiration – what happens to the rest of the energy that isn't used?