MOST IMPORTANT ITEMS FROM EACH TOPIC ON TEST

1. Immune System

* Know the three lines of defense
* Be able to describe the inflammatory response steps in order and understand why it happens
* Be able to discuss the activation of helper T-cells
* Be able to compare the purpose of Cytotoxic T-Cells and B-cells in terms of
  + How they are activated
  + What they attack in the body

1. Signal Transduction

* Know the steps of signaling
* Understand how amplification happens (phosphorylation)
* Know the difference between peptide and steroid based reception

1. Endocrine System

* Know the difference between peptide and steroid based reception as well as the end result
* Know the hormones and their functions that I provided to you.
* The majority of the questions will be based off of diagrams for this topic

1. Nervous System

* Know the structure of a neuron
* Be able to discuss action potential in detail
* Be able to explain how neurotransmitters are released at the synapse

1. Cell Respiration

* Know the purpose as well as equation
* Know what is produced in each phase (how much ATP by SL and how much NADH etc)
* Be able to discuss the ETC and chemiosmosis in detail