Super test study guide

Chemical/Physical changes

* Be sure to know the difference between a chemical and physical change by looking at an example and labeling it correctly.
* List the different types of chemical changes and what triggers them. (especially tarn, and oxidation; know the elements that trigger them)
* Be able to identify the product and reactant of several equations
* Explain how the law of conservation of mass works
* Determine if a given example is an exothermic or endothermic reaction. Also, know each of the chemical changes if they are exothermic or endothermic
* Signs that a chemical change has occurred
* Know what a pure substance is and how to distinguish it from a mixture
* Be able to look at heterogeneous and homogeneous examples and label them

Acids/Bases

* Know how each taste and what color they turn litmus paper
* Know the pH scale with colors and numbers.

Cells

* Know the function (job) of **ALL** organelles. Be able to identify them on a picture of a cell.
* Be able to explain cellular respiration and where it takes place in the cell
* Explain the difference between animal and plant cell.
* Know the difference between Eukaryotic and Prokaryotic
* Know the difference between A biotic and biotic factors and be able to look at a picture and label each as biotic or a biotic

Photosynthesis

* Know the stages of photosynthesis
* Know the products and reactants of photosynthesis
* Know all the chemicals with their formulas involved in photosynthesis (water, oxygen, sugar, carbon dioxide
* Be able to draw or explain how photosynthesis occurs.
* Know the organelles involved in photosynthesis (chloroplast makes chlorophyll)