**Study Guide HBS 3.2 Quiz**

*Test Format: 49 Multiple Choice, 1 Short Answer*

* Know the function of the digestive system.
* Be able to differentiate between mechanical and chemical digestion
* Know what role enzymes play in living systems.
  + Including general structure, models of function, factors that influence their function/reaction rate
  + Know what denaturing is and how it occurs
* If given data on reaction rates, be able to determine which environment a particular enzyme would work best in
* Know what role the following enzymes play in digestion:
  + Lipase, Amylase, Pepsin, Bile, Trypsin, Chymotrypsin
* Know what organ releases each of the following enzymes:
  + Lipase, Amylase, Pepsin, Bile, Trypsin, Chymotrypsin
* Be able to describe the path that food would take through the GI tract
* Be able to define the following terms:
  + Chyme, bolus, peristalsis
* Be able to identify each of the organs of the Digestive system
* Know the general functions of each of the organs of the Digestive system
* Know what molecule cells use as an energy source and where the energy is stored within that molecule
* Know the general structure of ATP
* Be able to generally describe the process of synthesizing ATP
* Be able to generally describe the process of releasing energy from ATP and the role that water plays in this process
* Know what cellular respiration is and where it occurs in the cell
  + Including products, reactants, what happens when glucose or oxygen isn’t available
* Be able to identify foods that would serve as both quick and long term sources of energy