**SBI3U: Ch.10 and 12 Digestion and Circulatory Systems Review Topics**

Test Date: Wednesday, April 30/14

Here are the topics that you should review for the test!

Ch. 10

* Multiple Choice Questions: role of water, animal feeding mechanisms, 4 stages of food processing, length of digestive tract
* Know what a macromolecule is, the four main types, their functions, what they are made from-subgroups (i.e. proteins are made from amino acids)
* Open vs. closed digestive system
* Enzymes-what are they? Why are they important in digestion? How do they do their job (hydrolysis)? Common names (lipases, carbohydrases..etc.), specific names (pepsin, trypsin…etc.)-yes that table from the textbook must be understood!, what they break down, where they function, why it functions there, environmental conditions and how they affect their function (think about the graphs, the lab you designed)
* Minerals/vitamins-this test question was presented in class-hopefully you wrote it down!
* Human digestive system-organs (structure/function), pH (where discussed-mouth, stomach, small intestine), where is physical (mechanical) and chemical digestion happening, how food moves through organ, name for “food” as it moves through digestive system, enzymes involved-function, where, why

Ch. 12

* Functions of circulatory system, types of circulatory system
* Parts of circulatory system-
  + heart (how does blood flow through it, parts of it, proper names, how does it work (nodes), how is it controlled, ECG, cardiac output (bring calculator)
  + Blood vessels-function, made from, how similar, how different
  + Blood-components & functions, temp regulation (this was homework)
* 10.3/12.3: Disorders/diseases of the digestive/circulatory systems: open-ended question that will *basically* read: Identify a digestive OR circ disorder/disease and discuss: which system it effects, how it effects it, is there a cause? How identified/diagnosed? How cured/treated, potential side effects-basically focus on one disorder/disease and know the answers to the above questions using proper terminology in your answer

Remember there are review questions on pages 435-439 for chapter 10 and pages 513-517 for chapter 12.