**SBI4U: Unit 1 Biochemistry Test Topics**

TEST DATE: Tuesday, Feb. 26/13

What do you need to know?  ALL of chapters 1 & 2-we’ve done it all!

Use the topics below to aid you in studying for this first test. Use your notes, my notes, and homework questions to help you study and try any of the chapter (1 & 2) & unit review questions-if you would like the answer book to check your answers, please ASK to borrow.

 Specifics on what you need to know:

* How to reference an internet site-I’ll give you one, you pick out the errors
* Determining if a bond is polar, non-polar or ionic-I’ll give you the electronegativity values if necessary, intermolecular vs. intramolecular bonds
* Functional groups-be able to identify & name them
* Macromolecules:
  + What are the monomers that make up the macromolecules-know the parts, how they are similar or different, how to make them functional (proteins), saturated vs. unsat (lipids) & physical properties, know which monosaccharide’s make up which disaccharides,
  + What is the name of the bond that joins them
  + Testing for the various macromolecules (know your indicators & positive/negative tests from the macromol. Lab)
* Types of biochemical reactions-recognize them + terminology, condensation, dehydration, hydrolysis, catabolic, anabolic, etc.
* Phospholipid bilayer-components, functions
* Diffusion/osmosis-how, why, end results
* Bulk transport
* Enzymes-purpose, how they function, parts, activation/inhibition, how effected by various external conditions