Study Guide Quiz 3

1. Quiz 3 covers chapter 2 – the chemical level of organization and protein synthesis.
2. Study the lecture slides for chapter 2 and referring to figures in text book.
3. Learn the meaning of terms atomic #, mass #, isotope, acid, base, salt and pH scale.
4. Learn 3 particles of atom that determine element, isotope and chemical properties.
5. Basic definition of covalent, ionic and hydrogen bonds and examples.
6. # of covalent bonds made by H, O, N, C and P.
7. Organic chemicals have both C and H and form chains. Starch and glycogen are polymers of ----,
   Proteins are polymers of ----, and nucleic acids are polymers of ********.
8. True fats are formed of -------- and ------ --------molecules. Name the other 2 important groups of
   lipids.
9. 3 levels of structure of proteins are ----
10. Amino acids are joined by ********-bonds.
11. Differences between structure of DNA and RNA.
12. For protein synthesis see the figures in text book chapter 3.
13. Learn the definitions we did in class, of Transcription, translation, and their location in cell.
14. 3 kinds of RNA and their role in protein synthesis.
15. Definitions of codon and anticodon.