Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_\_\_\_\_

1st 6 Weeks Review

1. Define hypothesis.
2. Define stimulus and give an example.
3. A testable explanation of a situation is called a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Define homeostasis and give an example.
5. What is the definition of an atom?
6. An organic compound is a compound that contains \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. How do Ions form?
8. A chemical reaction is a process by which atoms or groups of atoms in substance are :
9. Which substance would be extensively studied during a college organic chemistry course?
10. Explain what a covalent bond is.
11. Elements are placed into the same period on the periodic table of the elements because they :
12. What is the law of conservation of matter?
13. Biological buffers function to achieve a pH range of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. Which macromolecule is involved in nearly every function in the human body?
15. Which macromolecule stores energy for an organism? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. Define carbon-14, and an ionic bond
17. What are the three most common elements in living matter?
18. Draw and explain the function of a fatty acid molecule.
19. What is the monomer and polymer of protein?
20. What is the monomer and polymer of a carbohydrate?
21. Which biomolecules typically contains both nitrogen and phosphate?
22. Enzymes can be inactivated or denatured by high and low pH, extreme changes in temperature, and extreme salinity. When a protein is denatured, what happens to that protein?