**Chapter 2 Test Review: You are allowed to use your notes and this review sheet only on your test. You will have only one class period to complete the test. 38 Questions. You must finish the test before the bell rings!**

1. **The molecules of life all contain the element \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
2. **What is an ionic bond?**
3. **What are the 6 properties of water?**
4. **What is a covalent bond?**
5. **What is a solution?**
6. **What is the pH range for a base?**
7. **What is the pH range for an acid?**
8. **What pH is number is neutral?**
9. **What are the 4 life molecules?**
10. **Know how to read the periodic table. What number represents the number of protons or electrons?**
11. **How do you figure out the number of neutrons using the periodic table?**
12. **During chemical reactions what happens to atoms? Can you lose or gain atoms during a chemical reaction?**
13. **What is a chemical reaction? Identify the reactants and the products.**
14. **What do you call the energy needed to start a reaction?**
15. **What do we call a substance that speeds up a chemical reaction?**
16. **Atoms are made up of what three particles, what are their charges?**
17. **Where are electrons found in an atom?**
18. **Where are the protons and neutrons from in an atom?**
19. **What are isotopes?**
20. **What is a compound?**
21. **A molecule of water is made up of?**
22. **The basic unit of matter is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
23. **A substance made up of only one kind of atom is an \_\_\_\_\_\_\_\_\_\_\_\_.**
24. **The substances on the left side of the reaction as called the \_\_\_\_\_\_\_\_\_ while the substances on the right are called the \_\_\_\_\_\_\_\_\_\_\_.**
25. **The name of an enzyme ends in \_\_\_\_\_\_\_\_\_?**
26. **When one Oxygen and two Hydrogen come together it makes \_\_\_\_\_\_\_\_.**
27. **What are proteins?**
28. **What are carbohydrates?**
29. **What are nucleic acids?**
30. **What are lipids?**
31. **Draw the PH scale here.**

**Periodic Table Practice:**

**Find the: Protons Electrons Neutrons Atomic Mass(Rounded)**

**Titanium \_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

**Copper \_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**

**Fluorine \_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_**