**Chemistry Vocabulary**

1. **Atom:** The basic unit of a chemical element
2. **Element:** Any material that cannot be broken down into more fundamental substances.
3. **Proton:** A positive subatomic particle with a mass of 1 amu, that is located in the nucleus.
4. **Neutron:** A neutral subatomic particle with a mass of 1 amu, that is located in the nucleus.
5. **Valence Electron:** Electron on the outermost energy level.
6. **Electron Level:** A state in which matter can exist with a quantifiable amount of energy and distinct from other states with different amounts of energy.
7. **Electron:** A negative subatomic particle with a mass of 0 amu, that is located in the electron cloud.
8. **Nucleus:** The tiny, very dense, positively charged region in the center of an atom; made up of protons and neutrons.
9. **Reactivity:** Rate at which a chemical substance tends to undergo a chemical reaction; significantly influenced by valence electrons of the reacting substances.
10. **Atomic Mass:** The mass of an atom, approximately equal to the number of protons and neutrons in the atom.
11. **Period:** The rows in a Periodic Table that classify the elements by the number of electron shells.
12. **Group:** The columns on a Periodic Table that arrange the elements by the number of electrons that are in the outermost shell.
13. **Neutral Atom:** Atom with no apparent charge.
14. **Chemical Symbol:** A letter or group of letters that represent an element.
15. **Atomic Number:** The number of protons in the nucleus of a single atom.