**Key Vocabulary: Week 1.5: Matter and Atomic Structure**

***Complete ALL Week 1.0 and 1.5 flashcards and study over the weekend.***

***Week 1.5- Flashcards on Wednesday AND Thursday, Quiz on Thursday, 6/20.***

1. **Volume:** how much space something occupies. Typically measured in liters, L.
2. **Viscosity:** the "thickness" of a fluid. Water flows easily and has less, syrup has more and flows less easily.
3. **Reactivity:** the ability of a substance to undergo a chemical reaction. The opposite of this property is known as stability.
4. **Extensive Property:** a property of matter that depends on how much of something you have. Ex- mass, volume.
5. **Intensive Property:** a property of matter that depends on *what* something is, not how much of it you have. Ex- flammability, density.
6. **Phase Change:** a physical process in which a substance gains or loses energy to change between the different states of matter: solid, liquid, gas, or plasma.
7. **Solution:** a mixture formed from dissolving one substance into another. Ex- salt and water.
8. **Properties**: the description and abilities of a substance. May be chemical or physical.
9. **Protons:** Positively-charged particles with mass of 1, found in nucleus.
10. **Neutrons:** Neutral (0)-charged particles with mass of 1, found in nucleus.
11. **Electrons:** Negatively-charged particles with mass of 0, found in electron cloud.
12. **Nucleus:** Tiny center area of atom containing protons and neutrons. 100% mass of atom.
13. **Electron cloud:** Massive, mostly empty area around nucleus containing electrons. Almost no mass.
14. **Atomic Number:** "Top" number, identifies element and equal to protons.
15. **Atomic Mass:** "Bottom" number, equal to sum of protons and neutrons.
16. **Ion:** an atom with an unequal number of protons and electrons. May be + (cation) or - (anion).