**Key Vocabulary: Week 1.0: Matter and Atomic Structure**

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

 ***Week 1.0- Flashcards on Monday AND Tuesday, Quiz on Tuesday, 6/18.***

1. **Atoms:** Smallest particles of matter with the abilities of that matter.
2. **Elements:** A pure substance made of one type of atom.
3. **Molecules**: two or more atoms chemically bonding to one another.
4. **Substances**: any material made of ONE type of atom or molecule
5. **Compounds**: any substance made of molecules. H2O, for example.
6. **Mixtures**: made from two or more physically-mixed materials.
7. **Homogeneous**: mixture that "appears" to be pure. (salt water)
8. **Heterogeneous**: mixture that "appears" to contain multiple materials.
9. **Tyndall Effect**: scattering of light as it passes through a mixture.
10. **Physical Change**: changes the appearance of an object.
11. **Chemical Change**: changes what an object is made of, its properties.
12. **Density:** a measurement of how tightly "packed together" something is. Found by dividing mass by volume.
13. **Mass:** how much matter something contains. Usually measured in g or kg.
14. **Solubility:** how likely a substance is to dissolve and form a solution.
15. **Elasticity:** the ability of a substance to return to its original shape after being stretched or deformed. Rubber would have this property, most metals would not.
16. **Compressibility:** the ability of a substance to "crush" down to the decreased volume under pressure. Gases tend to have this, solids have much less.