**Key Vocabulary: Week 2.0: Periodic Table**

***Complete ALL Week 2.0 and 2.5 flashcards and study over the weekend.***

***Week 2.0- Flashcards on Monday AND Tuesday, Quiz on Tuesday, 6/25.***

1. **Alkali Metals:** Group 1 elements with 1 valence electron. React violently to water.
2. **Alkaline Earth Metals:** Group 2 elements with 2 valence electrons. Relatively stable.
3. **Transition Metals:** Groups 3-12 on the Periodic Table. No definite valence, fairly stable.
4. **Lanthanide Series**: Elements 57-70 on the Periodic Table. Used in advanced materials, lenses, and lasers.
5. **Actinide Series:** Elements 89-102 on the Periodic Table. Mostly radioactive.
6. **Boron Family:** Group 13 with 3 valence electrons. Fairly stable.
7. **Carbon Family:** Group 14 with 4 valence electrons. Stable.
8. **Nitrogen Family:** Group 15 with 5 valence electrons. Fairly reactive.
9. **Oxygen Family:** Group 16 with 6 valence electrons. Reactive.
10. **Halogens:** Group 17 with 7 valence electrons. Very reactive.
11. **Noble Gases:** Group 18 with 8 valence electrons. Completely stable.
12. **Families:** Groups of elements on the Periodic Table with similar chemical and physical properties. Typically found in the same group with the same number of valence electrons.