

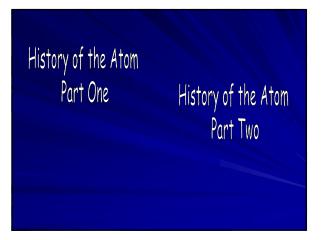


- This table is a remarkable way to show the manifold relationships between differing kinds of elements
- The modern table was devised in 1869 by Dimitri Mendeleyev

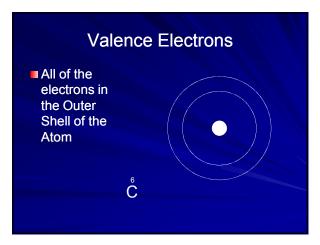
Periodic Table

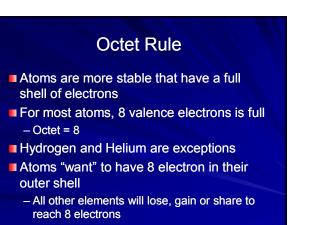
"...if all the elements be arranged in order of their atomic weights, a periodic repetition of properties is obtained." -Mendeleyev

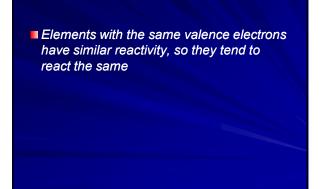
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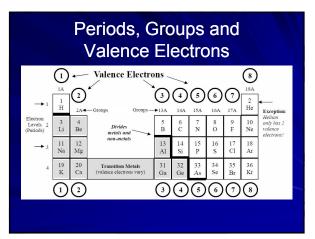


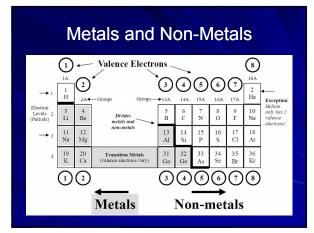
Word/Term: Valence Electrons	Drawing:
Describe in own words:	
Textbook Definition:	
	Rate mv Understandina: 1 2 3 4
How I remember it:	Reflections:











Location of Metals and Non-Metals

- Metals are located on the left side of the Periodic Table
- Non-Metals are located on the right side of the Periodic Table
- Metals and Non-Metals have different properties and bond differently, making different kinds of compounds

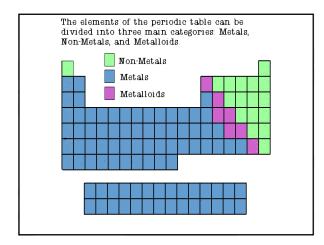
Metal or Non-Metal?

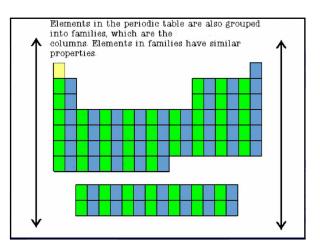
- Calcium (Ca)?
- Bromine (Br)?
- Silicon (Si)?

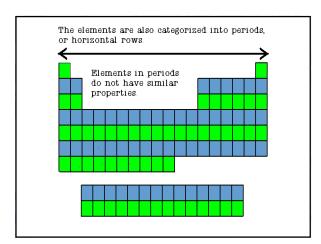
Metalloids

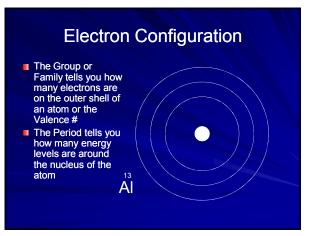
- Have characteristics of Metals and Non-Metals
 - Boron
 - Silicon
 - Germanium
 - Arsenic

 - Antimony









Groups or Families

- Columns of elements are called groups or families.
- Elements in each group have similar but not identical properties.
- All elements in a group have the same number of valence electrons.

Periods

- Each horizontal row of elements is called a period.
- The elements in a period are not alike in properties.
- The first element in a period is always an extremely active solid. The last element in a period, is always an inactive gas.

