

Atoms Ws #7: Electron Configuration

Directions: Write all your answers on another sheet of paper.

- 1.) Write the electron configuration for Hydrogen, Lithium, and Sodium.
 - a) How are their electron configurations similar?
 - b) These are known as alkali metal family.
Name the other members of the group.

- 2.) Write the electron configurations for Beryllium, Magnesium, and Calcium.
 - a) How are their electron configurations similar?
 - b) This group is called the alkali earth metal family.
Name the other members of the group.

- 3.) Write the electron configurations for Boron, Aluminum, and Gallium.
 - a) How are their electron configurations similar?
 - b) This group is called the aluminum family.
Name the other members of the group.

- 4.) Write the electron configuration for Carbon, Silicon, Germanium.
 - a) How are their electron configurations similar?
 - b) These are known as the carbon family.
Name the other members of the group.

- 5.) Write the electron configuration for Nitrogen, Phosphorus, and Arsenic.
 - a) How are their electron configurations similar?
 - b) These are known as the nitrogen family.
Name the other members of the group.

- 6.) Write the electron configuration for Oxygen, Sulfur, and Selenium.
 - a) How are their electron configurations similar?
 - b) These are known as the oxygen family.
Name the other members of the group.

- 7.) Write the electron configuration for Fluorine, Chlorine, and Bromine.
 - a) How are their electron configurations similar?
 - b) These are known as the halogen family.
Name the other members of the group.

- 8.) Write the electron configuration for Helium, Neon, and Argon.
 - a) How are their electron configurations similar?
 - b) These are known as the noble gas family.
Name the other members of the group.