

## Covalent and Ionic Compounds

1.) What do we call a physical force that holds atoms together?

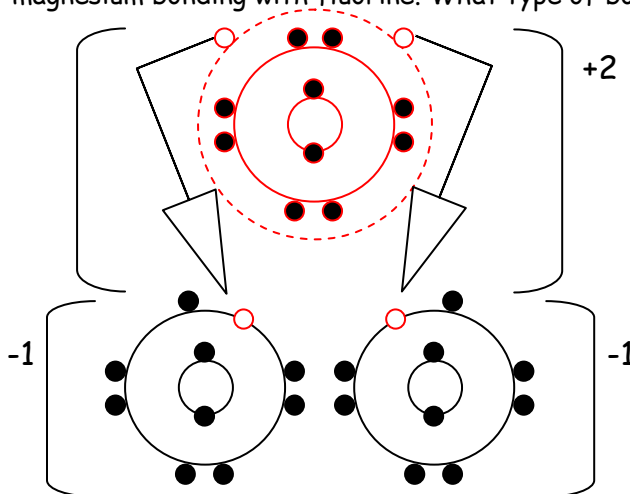
- a.) physical bond
- b.) **chemical bond**
- c.) physical attraction
- d.) chemical attraction

2.) Explain a difference between an ionic bond and a covalent bond.

Ionic bonds form when one species (element or compound) **gives up** one or more electrons to the other species (element or compound) where as a covalent bond is formed when the two species **share** the electron(s) to form the bond.

3.) Draw a Bohr model of magnesium bonding with fluorine. What type of bond is occurring?

**Ionic**



4.) Draw two hydrogen atoms bonding with oxygen to form a molecule. What type of bond is occurring?

**Covalent**

