



Name _____

Period _____ Date _____

Introduction to Bonding

A chemical bond is an interaction between two elements that chemically combine the elements together. There are three types of bonds: Ionic, Covalent, and Metallic.

DEFINE:

IONIC BONDS:

COVALENT BONDS:

METALLIC BONDS:

POLYATOMIC ION:

Bonding Comparison Chart

	IONIC	COVALENT	METALLIC
Types of Atoms Involved			
How are the bonds formed?			
Physical State of Matter			
Electrical Conductivity			
Compound Names and Formula Rule			N/A

DIRECTIONS: Write the following elements in the chart and create chemical formula.

IONIC BONDING:

- potassium and bromine

Ion Name	Ion Symbol	Anion/Cation	How Many Atoms needed?	Chemical Formula
Potassium	K^{+1}	Cation		
Bromine	Br^{-1}	Anion		