

Name:

Period:

## Chemical Bonding Worksheet

Ionic Bond  
 Covalent Bond  
 Metallic Bond

between a Metal and Non-Metal  
 between a Non-Metal and Non-Metal  
 between a Metal and Metal

(M + NM)  
 (NM + NM)  
 (M + M)

Determine if the elements in the following compounds are metals or non-metals. Describe the type of bonding that occurs in the compound.

Compound	Element 1 (metal or non-metal?)	Element 2 (metal or non-metal?)	Bond Type	Formula Mass (g/mol)
NO <sub>2</sub>	N = non-metal	O = non-metal	covalent	
NaCl				
SO <sub>2</sub>				
PO <sub>4</sub> <sup>3-</sup>				
MgBr <sub>2</sub>				
CaO				
H <sub>2</sub> O				
K <sub>2</sub> O				
Cu-Zn alloy				
O <sub>2</sub>				
CuCl <sub>2</sub>				
NO <sub>2</sub> <sup>-</sup>				
TiO <sub>2</sub>				
HF				
Rb <sub>2</sub> S				
Au-Ag mixture				
Fe <sub>2</sub> O <sub>3</sub>				
C <sub>6</sub> H <sub>12</sub> O <sub>22</sub>				

# Ionic And Metallic Bonding Worksheet Answers

**JR Anderson**



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