

## WORKSHEET: Chemical Bonding – Ionic & Covalent!

### **REMEMBER...**

**Ionic Bond**

between a Metal and Non-Metal

(M + NM)

**Covalent Bond**

between a Non-Metal and Non-Metal

(NM + NM)

**PART 1:** 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
NO <sub>2</sub>	N = non-metal	O = non-metal	covalent
NaCl			
SO <sub>2</sub>			
PI <sub>3</sub>			
MgBr <sub>2</sub>			
CaO			
H <sub>2</sub> O			
K <sub>2</sub> O			
AlF <sub>3</sub>			
O <sub>2</sub>			
CuCl <sub>2</sub>			
NO <sub>2</sub>			
CO <sub>2</sub>			
HF			
Rb <sub>2</sub> S			
NBr <sub>3</sub>			
Fe <sub>2</sub> O <sub>3</sub>			
CCl <sub>4</sub>			