

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 <i>e⁻ transferred or shared</i>
NO ₂	N = non-metal	O = non-metal	<i>e⁻ shared covalent</i>
NaCl	Na = metal	Cl = non metal	<i>e⁻ shared Ionic e⁻ transferred</i>
SO ₂			
PI ₃			
MgBr ₂			
CaO			
H ₂ O			
K ₂ O			
AlF ₃			
O ₂			
CuCl ₂			
NO ₂			
CO ₂			
HF			
Rb ₂ S			
NBr ₃			
Fe ₂ O ₃			
CCl ₄			