

Name KEY Date _____ Per _____

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 ₂	N = non-metal	O = non-metal	covalent
NaCl	M	NM	ionic
SO ₂	NM	NM	covalent
PI ₃	NM	NM	covalent
MgBr ₂	M	NM	ionic
CaO	M	NM	ionic
H ₂ O	NM	NM	covalent
K ₂ O	M	NM	ionic
AlF ₃	M	NM	ionic
O ₂	NM	NM	covalent
CuCl ₂	M	NM	ionic
NO ₂	NM	NM	covalent
CO ₂	NM	NM	covalent
HF	NM	NM	covalent
Rb ₂ S	M	NM	ionic
NBr ₃	NM	NM	covalent
Fe ₂ O ₃	M	NM	ionic
CCl ₄	NM	NM	covalent