

Chemical Bonding Practice Name _____

Using your periodic table

1. Identify the elements in each formula.
2. Categorize them as "metals" or "non-metals".
3. Determine the type of bond for each compound.

Formula	Metals	Non-metals	Type of Bond
HF		Hydrogen Fluorine	Covalent
NaCl	Sodium	Chlorine	Ionic
C ₄ H ₁₀			
Al ₂ O ₃			
CBr ₄			
Na ₂ S			
Sr ₃ N ₂			
H ₂ S			
BaF ₂			
NO ₂			

Reminder: Covalent bonds are form between nonmetals.

Ionic bonds are formed between a metal and nonmetal.

Metals, Nonmetals, and Metalloids

Li Be																		B C N O F Ne																																			
Na Mg																		Al Si P S Cl Ar																																			
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr																																				
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe																																				
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn																																				
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Uub	Uuq	Uuq	Uuq	Uuq	Uuq	Uuq																																				