

## Chemical Bonding Practice      Name \_\_\_\_\_

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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 <sub>4</sub> H <sub>10</sub>			
Al <sub>2</sub> O <sub>3</sub>			
CBr <sub>4</sub>			
Na <sub>2</sub> S			
Sr <sub>3</sub> N <sub>2</sub>			
H <sub>2</sub> S			
BaF <sub>2</sub>			
NO <sub>2</sub>			

Reminder: Covalent bonds are form between nonmetals.

Ionic bonds are formed between a metal and nonmetal.

Metals, Nonmetals, and Metalloids

metals

metalloids

nonmetals

Ce Pr Nd Pm Sm Eu Gd Tb Dy Ho Er Tm Yb Lu  
Th Pa U Np Pu Am Cm Bk Cf Es Fm Md No Lr