

Practice Set - Naming Compounds

You need to know that:

1. Compounds are **pure substances / mixtures** made up two or more **of the same / different** elements **chemically / physically** bonded together.
2. Compounds can be represented by their names (potassium bromide) or by their formulas (KBr).
3. There are two types of compounds.
 - An **ionic compound** contains a metal and a nonmetal; the bond between the metal and the nonmetal is called an **ionic bond**.
 - A **molecular compound** contains a nonmetal and a nonmetal; the bond between the nonmetals is called a **covalent bond**.

Assignment: Identify each of the following formulas as having ionic bonds or covalent bonds by placing a check in the appropriate box. Determine if prefixes are needed. Then name the formula following the examples on your flowchart.

Formula	Ionic Compound	Molecular Compound	Prefixes? Yes or No	Formula Name
NaCl				
H ₂ O				use the rules above, do not use the common name, water
MgF ₂				
K ₂ S				
CBr ₄				
P ₂ O ₃				
Sr ₃ N ₂				
N ₂ O ₅				
BeBr ₂				
N ₃ O ₆				
SeF ₂				
Rb ₂ S				
KI				
Mg ₃ P ₂				