

Name:

Chapter 2: Atoms, Molecules, and Ions

Naming of Compounds

Given the chemical formula and compound type, determine the systematic name for each compound below:

CaO Type I Binary Compound	
PCl ₅ Type III Binary Compound	
OH- Polyatomic Ion	
MnO ₂ Type II Binary Compound	
PCl ₃ Type III Binary Compound	
Na ₂ CO ₃ Compound Containing Polyatomic Ion	
CuCl Type II Binary Compound	
NaCl Type I Binary Compound	
N ³⁻ Anion	
H ₂ Diatomic Molecule	

Given the systematic name and compound type, determine the chemical formula for each compound below:

Beryllium Cation	
Cesium fluoride Type I Binary Compound	
Carbon monoxide Type III Binary Compound	
Manganese(II) hydroxide Compound Containing Polyatomic Ion	
Lithium peroxide Type I Binary Compound	
Lithium nitride Type I Binary Compound	
Aluminum oxide Type I Binary Compound	
Potassium bromate Compound Containing Polyatomic Ion	
Sodium sulfate Compound Containing Polyatomic Ion	
Sulfur hexafluoride Type III Binary Compound	