

- What is the chemical formula for the following ternary compounds given their constituent ions.
 - lead (IV) sulfate, Pb^{4+} and SO_4^{3-}
 - stannous chlorite, Sn^{2+} and ClO_2^-
 - cobalt(II) hydroxide, CO^{2+} and OH^-
 - mercurous phosphate, Hg_2^{2+} and PO_4^{3-}
- Provide the formula for each of the following binary ionic compounds
 - cuprous sulfide
 - ferrous phosphide
 - mercuric iodide
 - plumbic oxide
- What is the formula for the following ternary ionic compounds?
 - cuprous chlorite
 - plumbic sulfite
 - mercuric chlorate
 - ferrous chromate
- Complete the table below by combining cations and anions into chemical formulas. Give a systematic name for each compound. Use the Roman numeral naming system.

ION	CHLORIDE ION	SULFIDE ION	PHOSPHIDE ION
Silver ion	AgCl		
	Silver chloride		
Copper (II) ion			
Iron (III) ion			