

Names and Formulas of Binary Ionic Compounds

Goal • Use this page to review the names and formulas of binary ionic compounds.

What to Do

1. Fill in the missing names of these ionic compounds.

Formula	Metal Ion	Name of Compound
(a) FeCl_3	Fe^{3+}	
(b) FeO	Fe^{2+}	
(c) Cu_2S	Cu^+	
(d) PbO_2	Pb^{4+}	

2. Fill in the missing formulas for these ionic compounds.

Name of Compound	Chemical Formula
(a) copper(I) oxide	
(b) lead(IV) bromide	
(c) iron(III) sulphide	
(d) nickel(III) fluoride	
(e) manganese(IV) sulphide	

3. Fill in the missing names for these ionic compounds.

Formula	Name of Compound
(a) Ti_2O_3	
(b) NaCl	
(c) CuCl_2	
(d) NO_2	