

Naming Chemical Compounds Worksheet

Complete the table with the correct information.

Formula	Individual Ions	Name of the Compound
NH_4Cl		
ZnCO_3		
FePO_4		
LiOH		
CuBr_2		
SnO_2		
Ag_3N		
Pb_3P_2		
CaI_2		
K_2SO_3		
$\text{Fe}_2(\text{SO}_4)_3$		
$\text{Cu}(\text{C}_2\text{H}_3\text{O}_2)_2$		
$\text{AgC}_2\text{H}_3\text{O}_2$		
Co_3N_2		

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Answers

Formula	Individual Ions	Name of the Compound
NH_4Cl	NH_4^+Cl^-	Ammonium Chloride
ZnCO_3	$\text{Zn}^{2+}\text{CO}_3^{2-}$	Zinc Carbonate
FePO_4	$\text{Fe}^{3+}\text{PO}_4^{3-}$	Ferric Phosphate or Iron (III) Phosphate
LiOH	Li^+OH^-	Lithium Hydroxide
CuBr_2	$\text{Cu}^{2+}\text{Br}^-$	Cupric Bromide or Copper (II) Bromide
SnO_2	$\text{Sn}^{3+}\text{O}^{2-}$	Stannic Oxide or Tin (IV) Oxide
Ag_3N	Ag^+N^{3-}	Silver Nitride
Pb_3P_2	$\text{Pb}^{2+}\text{P}^{3-}$	Plumbic Phosphide or Lead (II) Phosphide
CaI_2	Ca^{2+}I^-	Calcium Iodide
K_2SO_3	$\text{K}^+\text{SO}_3^{2-}$	Potassium Sulfite
$\text{Fe}_2(\text{SO}_4)_3$	$\text{Fe}^{3+}\text{SO}_4^{2-}$	Ferric Sulphate or Iron (III) Sulphate
$\text{Cu}(\text{C}_2\text{H}_3\text{O}_2)_2$	$\text{Cu}^{2+}\text{C}_2\text{H}_3\text{O}_2^-$	Cupric Acetate or Copper (II) Acetate
$\text{AgC}_2\text{H}_3\text{O}_2$	$\text{Ag}^+\text{C}_2\text{H}_3\text{O}_2^-$	Silver Acetate
Co_3N_2	$\text{Co}^{2+}\text{N}^{3-}$	Cobalt Nitride