

FORMULAS AND NAMES FOR IONIC COMPOUNDS

1. What are the formulas of the following compounds?

Name of the Compound	Formulas
Ammonium Sulphate	
Iron (III) Oxide	
Calcium Phosphate	
Vanadium (V) Phosphate	
Barium Oxide	
Magnesium Acetate	
Copper (I) Carbonate	
Sodium Phosphide	
Copper (I) Arsenide	

2. What are the names of the following compounds?

Formulas	Name of the Compound
Li_3PO_4	
$\text{Be}(\text{C}_2\text{H}_3\text{O}_2)_2$	
$\text{Zn}(\text{OH})_2$	
$\text{Ga}(\text{NO}_2)_3$	
Co_3N_2	
Ag_2SO_3	
Na_2CO_3	
TiI_4	
CrF_2	

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1.

Answers

Name of the Compound	Formulas
Ammonium Sulphate	$(\text{NH}_4)_2\text{SO}_4$
Iron (III) Oxide	Fe_2O_3
Calcium Phosphate	$\text{Ca}_3(\text{PO}_4)_2$
Vanadium (V) Phosphate	$\text{V}_3(\text{PO}_4)_5$
Barium Oxide	BaO
Magnesium Acetate	$\text{Mg}(\text{C}_2\text{H}_3\text{O}_2)_2$
Copper (I) Carbonate	Cu_2CO_3
Sodium Phosphide	Na_3P
Copper (I) Arsenide	Cu_3As

2.

Formulas	Name of the Compound
Li_3PO_4	Lithium Phosphate
$\text{Be}(\text{C}_2\text{H}_3\text{O}_2)_2$	Beryllium Acetate
$\text{Zn}(\text{OH})_2$	Zinc Hydroxide
$\text{Ga}(\text{NO}_2)_3$	Gallium Nitrite
Co_3N_2	Cobalt Nitride
Ag_2SO_3	Silver Sulphite
Na_2CO_3	Sodium Carbonate
TiI_4	Titanium Iodide
CrF_2	Chromium Fluoride