

Name : ----- Date : -----

Forming Ionic Compounds Worksheet

1. Write the correct formula in each corresponding box.

	Zinc	Iron (II)	Iron (III)	Gallium	Silver	Lead (IV)
Chloride						
Acetate						
Oxide						
Nitrate						
Nitride						
Sulfate						

2. Write the formulas for the given ionic compounds.

a. Lithium Acetate _____

b. Cobalt (III) Chloride _____

c. Copper (II) Chlorate _____

d. Titanium (II) Selenide _____

e. Calcium Oxide _____

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1. **Answers**

	Zinc	Iron (II)	Iron (III)	Gallium	Silver	Lead (IV)
Chloride	ZnCl_2	FeCl_2	FeCl_3	GaCl_3	AgCl	PbCl_4
Acetate	$\text{Zn}(\text{C}_2\text{H}_3\text{O}_2)_2$	$\text{Fe}(\text{C}_2\text{H}_3\text{O}_2)_2$	$\text{Fe}(\text{C}_2\text{H}_3\text{O}_2)_3$	$\text{Ga}(\text{C}_2\text{H}_3\text{O}_2)_3$	$\text{Ag}(\text{C}_2\text{H}_3\text{O}_2)$	$\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_4$
Oxide	ZnO	FeO	Fe_2O_3	Ga_2O_3	Ag_2O	PbO_2
Nitrate	$\text{Zn}(\text{NO}_3)_2$	$\text{Fe}(\text{NO}_3)_2$	$\text{Fe}(\text{NO}_3)_3$	$\text{Ga}(\text{NO}_3)_3$	AgNO_3	$\text{Pb}(\text{NO}_3)_4$
Nitride	Zn_3N_2	Fe_3N_2	FeN	GaN	Ag_3N	Pb_3N_4
Sulfate	ZnSO_4	FeSO_4	$\text{Fe}_2(\text{SO}_4)_3$	$\text{Ga}_2(\text{SO}_4)_3$	Ag_2SO_4	$\text{Pb}(\text{SO}_4)_2$

2. a. Lithium Acetate $\text{Li}(\text{C}_2\text{H}_3\text{O}_2)$

b. Cobalt (III) Chloride CoCl_3

c. Copper (II) Chlorate $\text{Cu}(\text{ClO}_3)_2$

d. Titanium (II) Selenide TiSe

e. Calcium Oxide CaO