

Worksheet 2: Binary Ionic Compounds (variable charge metals) - metals from groups 3 - 12 and 14 or 4A (Pb and Sn) - charge of anion is constant - use charge of anion to figure out charge of metal

1. Name the following ionic compounds:

a. $\text{SnO}_2$	oxide = $\text{O}^{-2}$	Tin (IV) oxide
b. $\text{Mn}_2\text{O}_7$	oxide = $\text{O}^{-2}$	Manganese (VII) oxide
c. $\text{FeN}$	nitride = $\text{N}^{-3}$	Iron (III) nitride
d. $\text{Cu}_3\text{N}_2$	nitride = $\text{N}^{-3}$	Copper (II) nitride
e. $\text{TiF}_3$	fluoride = $\text{F}^{-1}$	Titanium (III) fluoride
f. $\text{Cu}_2\text{S}$	sulfide = $\text{S}^{-2}$	Copper (I) sulfide
g. $\text{Fe}_2\text{S}_3$	sulfide = $\text{S}^{-2}$	Iron (III) sulfide
h. $\text{CuBr}$	bromide = $\text{Br}^{-1}$	Copper (I) bromide
i. $\text{Co}_3\text{N}_2$	nitride = $\text{N}^{-3}$	Cobalt (II) nitride
j. $\text{CoF}_2$	fluoride = $\text{F}^{-1}$	Cobalt (II) fluoride

2. Write the formula for the following ionic compounds:

a. Copper (I) nitride	$\text{Cu}_3\text{N}$
b. Cobalt (I) fluoride	$\text{CoF}$
c. Titanium (IV) oxide	$\text{TiO}_2$
d. Iron (II) nitride	$\text{Fe}_3\text{N}_2$
e. Iron (III) chloride	$\text{FeCl}_3$
f. Copper (II) oxide	$\text{CuO}$
g. Rhodium (II) oxide	$\text{RhO}$
h. Tin (IV) sulfide	$\text{SnS}_2$
i. Manganese (IV) nitride	$\text{Mn}_3\text{N}_4$
j. Copper (I) fluoride	$\text{CuF}$
k. Cobalt (II) sulfide	$\text{CoS}$
l. Iron (III) oxide	$\text{Fe}_3\text{O}_2$

# Writing And Naming Binary Compounds Worksheet Answer Key

**Ian Pickup**



**Writing And Naming Binary Compounds Worksheet Answer Key:**

## **Writing And Naming Binary Compounds Worksheet Answer Key** Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Writing And Naming Binary Compounds Worksheet Answer Key**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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