

Unit 4 - Naming Worksheet

Part A: Write the correct chemical names for the following compounds. Pay attention to spelling.

What type of compound is this?

1. two nonmetals
2. metal with fixed charge + nonmetal
3. metal with variable charge + nonmetal
4. hydrate
5. binary acid
6. oxyacid

Compound	What type of compound is this?	Name of compound
1. Cu_2O $\begin{array}{c} \uparrow \quad \downarrow \\ (+1) \quad -2 \end{array}$	3	copper (I) oxide or cuprous oxide
2. $\text{Fe}_2(\text{SO}_4)_3$	3	Iron (III) Sulfate or ferric sulfate
3. $\text{K}_2\text{Cr}_2\text{O}_7$	2	potassium dichromate
4. P_4O_{10}	1	tetraphosphorus decoxide
5. $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$	4	aluminum chloride hexahydrate
6. SnSe_2 $\begin{array}{c} \uparrow \quad \uparrow \\ +4 \quad (-2) \times 2 = -4 \end{array}$	3	stannous ^{ic} selenide tin (IV) selenide
7. $\text{AgC}_2\text{H}_3\text{O}_2$	2	silver acetate
8. Mg_3N_2	2	magnesium nitride
9. CaF_2	2	calcium fluoride.
10. PbCl_4	3	lead (IV) chloride or plumbic chloride

Part B:

Write the correct chemical formulae for the following compounds.

Pay attention to using:

- Correct symbols (case-sensitive)
- Subscripts when necessary
- Bracket only when necessary

