Ionic Compounds Explanation Assignment



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→ Ionic Compounds Explanation Assignment

Show & **explain** how to write formulas & names of ionic compounds.

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PART A: Write the **formula** for **ONE** of the following compounds.

"Criss-cross" is **NOT** an explanation.

- lead (IV) sulfate

- iron (III) nitrate

PART B: Write the **name** for **ONE** of the following compounds.

 $Hg(OH)_2$

NiPO₄

 $Mn(CO_3)_2$

Rubric:

① = unclear / several errors	② = complete / mostly correct	3= thorough / meticulous
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	Clarity of explanation (visually & verbally)			Proper Terminology
Formula		<u> </u>		①= rarely
Formula	(1)	2)	3	②= sometimes
				③=often
Naming	1	2	3	④= almost always
				⑤= always

Sample terminology to demonstrate understanding:

ie. Cation, anion, subscript, charge, formula, metal, non-metal, transition metal, group number, multivalent, polyatomic, binary....

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