

Write the formula for the following ionic compounds: (see next page for key)

sodium bicarbonate _____	- NaHCO_3
sodium fluoride _____	- NaF
iron (III) chloride _____	- FeCl_3
sodium carbonate _____	- Na_2CO_3
copper (II) sulfate _____	- CuSO_4
magnesium hydroxide _____	- Mg(OH)_2
barium nitrate _____	- $\text{Ba(NO}_3)_2$
lithium sulfate _____	- Li_2SO_4
magnesium chloride _____	- MgCl_2
silver nitrate _____	- AgNO_3
aluminum sulfate _____	- $\text{Al}_2(\text{SO}_4)_3$
calcium hydroxide _____	- Ca(OH)_2
calcium sulfate _____	- CaSO_4
mercury (II) nitrate _____	- $\text{Hg(NO}_3)_2$
lead (IV) nitrate _____	- $\text{Pb(NO}_3)_4$
magnesium iodide _____	- MgI_2
sodium nitride _____	- Na_3N

Write the formulas for the following covalent compounds:

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- a. disulfur tetrafluoride _____ - S_2F_4
- b. carbon trioxide _____ - CO_3
- c. nitrogen pentoxide _____ - NO_5
- d. nitrogen tribromide _____ - NBr_3
- e. dinitrogen heptachloride _____ - N_2Cl_7
- f. carbon tetrachloride _____ - CCl_4
- g. hydrogen monochloride _____ - HCl
- h. trihydrogen monophosphide _____ - H_3P
- i. dihydrogen monoxide _____ - H_2O

Write the names of the following compounds:

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NaCl _____ - sodium chloride

$\text{Fe}_2(\text{CO}_3)_3$ _____ - iron(III) carbonate

$\text{Cu}(\text{OH})_2$ _____ - copper(II) hydroxide

$(\text{NH}_4)_2\text{SO}_4$ _____ - ammonium sulfate

LiNO_3 _____ - lithium nitrate

BaSO_4 _____ - barium sulfate

$\text{Mg}(\text{NO}_3)_2$ _____ - magnesium nitrate

AgCl _____ - silver chloride

$\text{Al}(\text{OH})_3$ _____ - aluminum hydroxide

CaSO_4 _____ - calcium sulfate

FeS _____ - iron(II) sulfide

PbCl_2 _____ - lead(II) chloride

NaI _____ - sodium iodide

MgCO_3 _____ - magnesium carbonate