

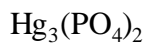
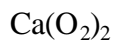
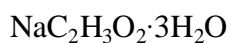
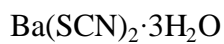
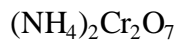
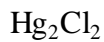
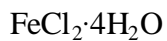
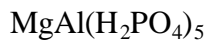
Chemistry 120
Nomenclature Worksheet

Convert the following names to chemical formulas.

<u>Name</u>	<u>Formula</u>
iron(III) sulfate	
potassium cyanide	
dinitrogen monoxide	
copper(II) nitrate hemipentahydrate	
sulfur tetrachloride	
magnesium acetate tetrahydrate	
antimony triiodide	
silver perchlorate	
oxygen difluoride	
mercury(I) iodide	
nickel(II) chloride	
dihydrogen monoxide	
boron trifluoride	
sodium hexafluorophosphate	
calcium hydrogenphosphate	
zinc arsenate	
cesium periodate	
ammonium dihydrogenphosphate	
aluminum hypochlorite	
cobalt(II) nitrite	
lead(IV) acetate	
dinitrogen tetroxide	
potassium chromium(III) sulfate dodecahydrate	
thallium(I) oxalate	
carbon disulfide	

Convert the following formulas to names.

Formula	Name
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Answers.

Name	Formula
iron(III) sulfate	$\text{Fe}_2(\text{SO}_4)_3$
potassium cyanide	KCN
dinitrogen monoxide	N_2O
copper(II) nitrate hemipentahydrate	$\text{Cu}(\text{NO}_3)_2 \cdot 2.5\text{H}_2\text{O}$
sulfur tetrachloride	SCl_4
magnesium acetate tetrahydrate	$\text{Mg}(\text{C}_2\text{H}_3\text{O}_2)_2 \cdot 4\text{H}_2\text{O}$
antimony triiodide	SbI_3
silver perchlorate	AgClO_4
oxygen difluoride	OF_2
mercury(I) iodide	Hg_2I_2
nickel(II) chloride	NiCl_2
dihydrogen monoxide	H_2O
boron trifluoride	BF_3
sodium hexafluorophosphate	NaPF_6
calcium hydrogenphosphate	CaHPO_4
zinc arsenate	$\text{Zn}_3(\text{AsO}_4)_2$
cesium periodate	CsIO_4
ammonium dihydrogenphosphate	$\text{NH}_4(\text{H}_2\text{PO}_4)$
aluminum hypochlorite	$\text{Al}(\text{ClO})_3$
cobalt(II) nitrite	$\text{Co}(\text{NO}_2)_2$
lead(IV) acetate	$\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_4$
dinitrogen tetraoxide	N_2O_4
potassium chromium(III) sulfate dodecahydrate	$\text{KCr}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$
thallium(I) oxalate	$\text{Tl}_2\text{C}_2\text{O}_4$
carbon disulfide	CS_2

Answers.

Formula	Name
$\text{Mg}(\text{HCO}_3)_2$	magnesium hydrogencarbonate
S_2Cl_2	disulfur dichloride
KMnO_4	potassium permanganate
$\text{MgAl}(\text{H}_2\text{PO}_4)_5$	magnesium aluminum dihydrogenphosphate
LiNO_2	lithium nitrite
SF_6	sulfur hexafluoride
XeF_5	xenon pentafluoride
KHSO_4	potassium hydrogensulfate
$\text{Al}(\text{ClO}_4)_3$	aluminum perchlorate
CCl_4	carbon tetrachloride
$\text{FeCl}_2 \cdot 4\text{H}_2\text{O}$	iron(II) chloride tetrahydrate
Li_2O_2	lithium peroxide
Hg_2Cl_2	mercury(I) chloride
$(\text{NH}_4)_2\text{Cr}_2\text{O}_7$	ammonium dichromate
SbF_5	antimony pentafluoride
$\text{Ba}(\text{SCN})_2 \cdot 3\text{H}_2\text{O}$	barium thiocyanate trihydrate
LiOH	lithium hydroxide
Al_4C_3	aluminum carbide
ClBr	chlorine bromide
NaClO_3	sodium chlorate
$\text{NaC}_2\text{H}_3\text{O}_2 \cdot 3\text{H}_2\text{O}$	sodium acetate trihydrate
PCl_5	phosphorous pentachloride
PbCrO_4	lead(II) chromate
KBr	potassium bromide
PbS	lead(II) sulfide
$\text{Ca}(\text{O}_2)_2$	calcium superoxide
AgN_3	silver azide
$\text{Hg}_3(\text{PO}_4)_2$	mercury(II) phosphate
BBr_3	boron tribromide