

The Big Compounds Review

Name: _____

Period: _____

„ Given the following compound name, write the chemical formula in the space provided:

Name	Formula	Name	Formula
Acetic acid	HC₂H₃O₂	Aluminum fluoride	AlF₃
Aluminum sulfate	Al₂(SO₄)₃	Aluminum hydroxide	Al(OH)₃
Aluminum sulfide	Al₂S₃	Ammonium hydrogen carbonate	NH₄HCO₃
Ammonium sulfate	(NH₄)₂SO₄	Ammonium nitrate	NH₄NO₃
Ammonium phosphate	(NH₄)₃PO₄	Barium acetate	Ba(C₂H₃O₂)₂
Barium chloride	BaCl₂	Barium hydrogen carbonate	Ba(HCO₃)₂
Barium hydroxide	Ba(OH)₂	Barium oxide	BaO
Beryllium sulfate	BeSO₄	Beryllium oxide	BeO
Beryllium sulfite	BeSO₃	Beryllium iodide	BeI₂
Hydrobromic Acid	HBr	Perchloric acid	HClO₄
Calcium chloride	CaCl₂	Calcium fluoride	CaF₂
Calcium nitrate	Ca(NO₃)₂	Calcium phosphate	Ca₃(PO₄)₂
Calcium phosphide	Ca₃P₂	Carbon dioxide	.CO₂
Carbon monoxide	CO	Carbon tetrachloride	CCl₄
Carbon tetraiodide	CI₄	Cesium fluoride	CsF
Cesium oxide	Cs₂O	Cobalt (III) hydroxide	Co(OH)₃
Copper (I) hydroxide	CuOH	Copper (II) acetate	Cu(C₂H₃O₂)₂
Diboron trioxide	B₂O₃	Dinitrogen monoxide	N₂O
Dinitrogen pentoxide	N₂O₅	Titanium (IV) oxide	TiO₂
Hydrochloric acid	HCl	Hydrofluoric acid	HF
Hydroiodic acid	HI	Hydrosulfuric acid	H₂S
Iodine monobromide	IBr	Iron (III) sulfate	Fe₂(SO₄)₃
Iron (II) bromide	FeBr₂	Iron (III) hydroxide	Fe(OH)₃
Lithium bromide	LiBr	Lithium chloride	LiCl
Magnesium acetate	Mg(C₂H₃O₂)₂	Magnesium iodide	MgI₂
Magnesium phosphide	Mg₃P₂	Mercury (II) sulfate	HgSO₄
Nitric acid	HNO₃	Nitrogen dioxide	NO₂
Silver oxide	Ag₂O	Potassium hydroxide	KOH
Potassium sulfide	K₂S	Potassium nitrate	KNO₃
Silicon tetrachloride	SiCl₄	Potassium sulfite	K₂SO₃

Silver Sulfide	Ag₂S	Strontium Iodide	SrI₂
Sodium hydrogen sulfate	NaHSO₄	Sodium Perchlorate	NaClO₄
Strontium chloride	SrCl₂	Strontium iodide	SrI₂
Sulfur dioxide	SO₂	Sulfurous acid	H₂SO₃
Tin (IV) acetate	Sn(C₂H₃O₂)₄	Xenon tetrafluoride	XeF₄
Sulfur hexafluoride	SF₆	Sulfuric Acid	H₂SO₄
Tin (II) chloride	SnCl₂	Silver Nitrate	AgNO₃
Silver Perchlorate	AgClO₄	Sodium dihydrogen phosphate	NaH₂PO₄
Sodium Iodide	NaI	Sodium Acetate	NaC₂H₃O₂
Nitrous Acid	HNO₂	Phosphorus triiodide	PI₃
Phosphorus pentabromide	PBr₅	Diphosphorus hexachloride	P₂Cl₆
Phosphoric Acid	H₃PO₄	Phosphorus pentafluoride	PF₅
Potassium phosphate	K₃PO₄	Hydroiodic acid	HI

Given the Following formulas, write the correct names in the space provided:

Formula	Name	Formula	Name
Al ₂ O ₃	Aluminum oxide	B ₂ O ₃	diboron trioxide
N ₂ O ₄	Dinitrogen tetroxide	Co ₃ (PO ₄) ₂	Cobalt(II) phosphate
Cr(OH) ₃	Chromium (III) hydroxide	NH ₄ NO ₃	Ammonium nitrate
KClO ₃	Potassium chlorate	PbSO ₄	Lead(II) sulfate
HCl	Hydrochloric acid	H ₂ SO ₄	Sulfuric acid
HNO ₃	Nitric acid	HI	Hydroiodic acid
HNO ₂	Nitrous acid	H ₃ PO ₄	Phosphoric acid
HClO ₂	Chlorous acid	Na ₂ O	Sodium oxide
K ₂ S	Potassium sulfide	MgCl ₂	Magnesium chloride
CaBr ₂	Calcium bromide	Na ₃ N	Sodium nitride
K ₂ O	Potassium oxide	AgBr	Silver bromide
MgI ₂	Magnesium iodide	AlI ₃	Aluminum iodide
SnBr ₂	Tin(II) bromide	SnBr ₄	Tin(IV) bromide
CrO	Chromium (II) oxide	CuI	Copper(I) iodide
HgS	Mercury(II) sulfide	CoO	Cobalt(II) oxide
CuI ₂	Copper(II) iodide	ICl	Iodine monochloride
Co ₂ O ₃	Cobalt(III) oxide	SiF ₄	Silicon tetrafluoride
CrF ₃	Chromium (III) fluoride	NH ₃	Nitrogen trihydride

AuCl ₄	Gold (IV) chloride	HOCl	Hypochlorous acid
Formula	Name	Formula	Name
NCl ₃	Nitrogen trichloride	SiCl ₄	Silicon tetrachloride
SiO ₂	Silicon dioxide	CuCl ₂	Copper(II) chloride
SiS ₂	Silicon disulfide	ClBr	Chlorine monobromide
SnCl ₄	Tin(IV) chloride	Al ₂ (SO ₄) ₃	Aluminum sulfate
Ag ₂ S	Silver sulfide	(NH ₄) ₂ SO ₃	Ammonium sulfite
ClF	Chlorine monofluoride	NaClO ₄	Sodium perchlorate
Li ₂ O	Lithium oxide	HClO ₃	Chloric acid
Cr(C ₂ H ₃ O ₂) ₂	Chromium (II) acetate	HF	Hydrofluoric acid
Ca ₃ (PO ₄) ₂	Calcium phosphate	CsH ₂ PO ₄	Cesium dihydrogen phosphate
Cu(OH) ₂	Copper(II) hydroxide	MnO	Potassium permanganate
HBr	Hydrobromic acid	SO ₃	Sulfur trioxide
HC ₂ H ₃ O ₂	Acetic acid	H ₂ O ₂	Dihydrogen dioxide
Mg(OH) ₂	Magnesium hydroxide	CrO ₃	Chromium (VI) oxide
P ₄ O ₁₀	Tetraphosphorus decoxide	Cr ₂ (CO ₃) ₃	Chromium(III) carbonate
KHCO ₃	Potassium hydrogen carbonate	Cu ₃ PO ₄	Copper(I) phosphate
AuBr ₃	Gold(III) bromide	Co(NO ₂) ₃	Cobalt(III) cyanide
Ag ₂ SO ₄	Silver sulfate	MgHPO ₄	Magnesium hydrogen phosphate
Be(OH) ₂	Beryllium hydroxide	HClO ₃	Chloric acid
HC ₂ H ₃ O ₂	Acetic acid	CoCl ₂	Cobalt(II) chloride
Fe(NO ₃) ₃	Iron(III) nitrate	H ₂ O	Water
CuSO ₄	Copper(II) sulfate	MnO ₂	Manganese(IV) oxide
(NH ₄) ₂ CO ₃	Ammonium carbonate	Ca ₃ (PO ₄) ₂	Calcium phosphate
NH ₄ HCO ₃	Ammonium hydrogen carbonate	N ₂ O ₃	Dinitrogen trioxide
H ₂ SO ₃	Sulfurous acid	PCl ₃	Phosphorus trichloride
CBr ₄	Carbon tetrabromide	P ₂ Cl ₄	Diphosphorus tetrachloride
BCl ₃	Boron trichloride	B ₂ H ₆	Diboron hexahydride
Ca ₃ N ₂	Calcium nitride	CBr ₄	Carbon tetrabromide
AlCl ₃	Aluminum chloride	PH ₃	Phosphorus trihydride