

<b>Compound Name</b>	<b>Indicate Type of Compound: I = ionic, A= acid, M = molecular</b>	<b>Write your answer here</b>
manganese (II) bromite	<b>I</b>	$\text{Mn}(\text{BrO}_2)_2$
manganese (II) phosphite	<b>I</b>	$\text{Mn}_3(\text{PO}_3)_2$
rubidium sulfite	<b>I</b>	$\text{Rb}_2\text{SO}_3$
hydroselenic acid	<b>A</b>	$\text{H}_2\text{Se}_{(\text{aq})}$
sodium perbromate	<b>I</b>	$\text{NaBrO}_4$
cobalt (III) chromate	<b>I</b>	$\text{Co}_2(\text{CrO}_4)_3$
antimony (V) nitrite	<b>I</b>	$\text{Sb}(\text{NO}_2)_5$
chloric acid	<b>A</b>	$\text{HClO}_3_{(\text{aq})}$
pentaselenium decabromide	<b>M</b>	$\text{Se}_5\text{Br}_{10}$
disulfur decachloride	<b>M</b>	$\text{S}_2\text{Cl}_{10}$
nickel (III) nitrate	<b>I</b>	$\text{Ni}(\text{NO}_3)_3$
copper (II) bromide	<b>I</b>	$\text{CuBr}_2$
nickel (II) hydrogen phosphate	<b>I</b>	$\text{NiHPO}_4$
iron (II) hydrogen sulfate	<b>I</b>	$\text{Fe}(\text{HSO}_4)_2$
bismuth (V) acetate	<b>I</b>	$\text{Bi}(\text{C}_2\text{H}_3\text{O}_2)_5$
sulfurous acid	<b>A</b>	$\text{H}_2\text{SO}_3_{(\text{aq})}$
sulfuric acid	<b>A</b>	$\text{H}_2\text{SO}_4_{(\text{aq})}$
nickel (II) chloride	<b>I</b>	$\text{NiCl}_2$
tin (IV) phosphate	<b>I</b>	$\text{Sn}_3(\text{PO}_4)_4$
mercury (I) iodate	<b>I</b>	$\text{Hg}_2(\text{IO}_3)_2$

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$\text{Co}(\text{HCO}_3)_2$	<b>I</b> (with VOS metal)	cobalt (II) hydrogen carbonate
$\text{Cs}_2\text{S}$	<b>I</b>	cesium sulfide
$\text{Ca}(\text{IO}_2)_2$	<b>I</b>	calcium iodite
$\text{Ba}_2\text{C}$	<b>I</b>	barium carbide
$\text{Mn}(\text{CO}_3)_2$	<b>I</b> (with VOS metal)	manganese (IV) carbonate
$\text{CuBrO}_2$	<b>I</b> (with VOS metal)	copper (I) bromite
$\text{AgHS}$	<b>I</b>	silver hydrogen sulfide
$\text{C}_9\text{N}_{10}$	<b>M</b>	nonacarbon decanitrile
$\text{CrI}_2$	<b>I</b> (with VOS metal)	chromium (II) iodide
$\text{Mg}(\text{NO}_3)_2$	<b>I</b>	magnesium nitrate
$\text{HC}_2\text{H}_3\text{O}_2$ (aq)	<b>A</b>	acetic acid
$\text{HClO}_2$ (aq)	<b>A</b>	chlorous acid
$\text{Be}(\text{IO}_4)_2$	<b>I</b>	beryllium periodate
$\text{HIO}_4$ (aq)	<b>A</b>	periodic acid
$\text{BaO}$	<b>I</b>	barium oxide
$\text{Cd}(\text{BrO}_3)_2$	<b>I</b>	cadmium bromate
$\text{Bi}(\text{CN})_5$	<b>I</b> (with VOS metal)	bismuth (V) cyanide
$\text{AuHS}$	<b>I</b> (with VOS metal)	gold (I) hydrogen sulfide
$\text{AuClO}$	<b>I</b> (with VOS metal)	gold (I) hypochlorite
$\text{Na}_2\text{CO}_3$	<b>I</b>	sodium carbonate

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bismuth (III) phosphide	<b>I</b>	BiP
antimony (V) oxide	<b>I</b>	Sb <sub>2</sub> O <sub>5</sub>
ammonium carbonate	<b>I</b>	(NH <sub>4</sub> ) <sub>2</sub> CO <sub>3</sub>
nitrous acid	<b>A</b>	HNO <sub>2(aq)</sub>
barium fluoride	<b>I</b>	BaF <sub>2</sub>
iron (II) hydrogen sulfate	<b>I</b>	Fe(HSO <sub>4</sub> ) <sub>2</sub>
magnesium nitrite	<b>I</b>	Mg(NO <sub>2</sub> ) <sub>2</sub>
beryllium iodate	<b>I</b>	Be(IO <sub>3</sub> ) <sub>2</sub>
cadmium chromate	<b>I</b>	CdCrO <sub>4</sub>
gold (I) hydrogen phosphate	<b>I</b>	Au <sub>2</sub> HPO <sub>4</sub>
bismuth (III) hydrogen sulfide	<b>I</b>	Bi(HS) <sub>3</sub>
cesium oxalate	<b>I</b>	Cs <sub>2</sub> C <sub>2</sub> O <sub>4</sub>
tin (II) iodite	<b>I</b>	Sn(IO <sub>2</sub> ) <sub>2</sub>
beryllium acetate	<b>I</b>	Be(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub>
tin (II) sulfate	<b>I</b>	SnSO <sub>4</sub>
antimony (V) carbide	<b>I</b>	Sb <sub>4</sub> C <sub>5</sub>
cobalt (III) hydride	<b>I</b>	CoH <sub>3</sub>
sodium carbide	<b>I</b>	Na <sub>4</sub> C
dinitrogen triselenide	<b>M</b>	N <sub>2</sub> Se <sub>3</sub>
potassium hypoiodite	<b>I</b>	KIO

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$\text{Sb}_3(\text{BO}_3)_5$	<b>I</b> (with VOS metal)	antimony (V) borate
$\text{NiF}_3$	<b>I</b> (with VOS metal)	nickel (III) fluoride
$\text{C}_8\text{O}_3$	<b>M</b>	octacarbon trioxide
$\text{HBrO}_2$ (aq)	<b>A</b>	bromous acid
$\text{Bi}(\text{ClO}_2)_3$	<b>I</b> (with VOS metal)	bismuth (III) chlorite
$\text{H}_2\text{C}_2\text{O}_4$ (aq)	<b>A</b>	oxalic acid
$\text{O}_6\text{F}_{10}$	<b>M</b>	hexoxygen decafluoride
$\text{HC}_2\text{H}_3\text{O}_2$ (aq)	<b>A</b>	acetic acid
$\text{Si}_{10}\text{As}_5$	<b>M</b>	decasilicon pentaarsenide
$\text{N}_2\text{O}_7$	<b>M</b>	dinitrogen heptoxide
$\text{Cl}_4\text{O}_3$	<b>M</b>	tetrachlorine trioxide
$\text{Hg}_2\text{Se}$	<b>I</b> (with VOS metal)	mercury (I) selenide
$\text{Li}_4\text{C}$	<b>I</b>	lithium carbide
$\text{CrC}_2\text{O}_4$	<b>I</b> (with VOS metal)	chromium (II) oxalate
$\text{NiAsO}_4$	<b>I</b> (with VOS metal)	nickel (III) arsenate
$\text{Mg}(\text{ClO}_4)_2$	<b>I</b>	magnesium perchlorate
$\text{Au}_3\text{BO}_3$	<b>I</b> (with VOS metal)	gold (I) borate
$\text{Zn}(\text{IO})_2$	<b>I</b>	zinc hypoiodite
$\text{I}_5\text{Cl}_8$	<b>M</b>	pentaiodine octachloride
$\text{Mn}(\text{HCO}_3)_2$	<b>I</b> (with VOS metal)	manganese (II) hydrogen carbonate

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cobalt (III) carbide	<b>I</b>	$\text{Co}_4\text{C}_3$
aluminum sulfate	<b>I</b>	$\text{Al}_2(\text{SO}_4)_3$
diphosphorous octaoxide	<b>M</b>	$\text{P}_2\text{O}_8$
manganese (II) phosphate	<b>I</b>	$\text{Mn}_3(\text{PO}_4)_2$
selenic acid	<b>A</b>	$\text{H}_2\text{SeO}_{4(\text{aq})}$
hexaiodine nonanitride	<b>M</b>	$\text{I}_6\text{N}_9$
nitric acid	<b>A</b>	$\text{HNO}_{3(\text{aq})}$
mercury (I) nitride	<b>I</b>	$(\text{Hg}_2)_3\text{N}_2$
aluminum perchlorate	<b>I</b>	$\text{Al}(\text{ClO}_4)_3$
chromic acid	<b>A</b>	$\text{H}_2\text{CrO}_{4(\text{aq})}$
lithium hydrogen sulfide	<b>I</b>	$\text{LiHS}$
cobalt (II) sulfate	<b>I</b>	$\text{CoSO}_4$
cesium sulfate	<b>I</b>	$\text{Cs}_2\text{SO}_4$
manganese (II) chromate	<b>I</b>	$\text{MnCrO}_4$
lead (II) hydride	<b>I</b>	$\text{PbH}_2$
ammonium nitrate	<b>I</b>	$\text{NH}_4\text{NO}_3$
sodium chlorate	<b>I</b>	$\text{NaClO}_3$
radium hydrogen carbonate	<b>I</b>	$\text{Ra}(\text{HCO}_3)_2$
copper (I) hydrogen sulfate	<b>I</b>	$\text{CuHSO}_4$
arsenic (V) nitrate	<b>I</b>	$\text{As}(\text{NO}_3)_5$

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$\text{Pb}(\text{HPO}_4)_2$	<b>I</b> (with VOS metal)	lead (IV) hydrogen phosphate
$\text{Sn}(\text{BrO}_4)_2$	<b>I</b> (with VOS metal)	tin (II) perbromate
$\text{Si}_3\text{As}_{10}$	<b>M</b>	trisilicon decaarsenide
$\text{N}_{10}\text{O}_{10}$	<b>M</b>	decanitrogen decoxide
$\text{HBrO}_{(\text{aq})}$	<b>A</b>	hypobromous acid
$\text{Fe}(\text{OH})_3$	<b>I</b> (with VOS metal)	iron (III) hydroxide
$\text{I}_5\text{F}_3$	<b>M</b>	pentaiodine trifluoride
$\text{H}_2\text{SO}_{3(\text{aq})}$	<b>A</b>	sulfurous acid
$\text{ZnHPO}_4$	<b>I</b>	zinc hydrogen phosphate
$\text{Au}_2\text{SO}_3$	<b>I</b> (with VOS metal)	gold (I) sulfite
$\text{Hg}(\text{IO}_4)_2$	<b>I</b> (with VOS metal)	mercury (II) periodate
$\text{Ra}(\text{BrO}_3)_2$	<b>I</b>	radium bromate
$\text{MnSO}_3$	<b>I</b> (with VOS metal)	manganese (II) sulfite
$\text{HIO}_3 (\text{aq})$	<b>I</b>	iodic acid
$\text{CBr}$	<b>M</b>	carbon bromide
$\text{Mn}(\text{BrO}_2)_2$	<b>I</b> (with VOS metal)	manganese (II) hypobromite
$\text{S}_2\text{O}_7$	<b>M</b>	disulfur heptoxide
$\text{BeCrO}_4$	<b>I</b>	beryllium chromate
$\text{HBrO}_{3(\text{aq})}$	<b>A</b>	bromic acid
$\text{SrS}$	<b>I</b>	strontium sulfide

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bismuth (III) selenide	<b>I</b>	$\text{Bi}_2\text{Se}_3$
nickel (III) hydrogen phosphate	<b>I</b>	$\text{Ni}_2(\text{HPO}_4)_3$
nonanitrogen tetroxide	<b>M</b>	$\text{N}_9\text{O}_4$
lithium hypochlorite	<b>I</b>	$\text{LiClO}$
cobalt (III) cyanide	<b>I</b>	$\text{Co}(\text{CN})_3$
hydroselenic acid	<b>A</b>	$\text{H}_2\text{Se}_{(\text{aq})}$
manganese (IV) hydrogen phosphate	<b>I</b>	$\text{Mn}(\text{HPO}_4)_2$
copper (II) borate	<b>I</b>	$\text{Cu}_3(\text{BO}_3)_2$
iron (III) sulfate	<b>I</b>	$\text{Fe}_2(\text{SO}_4)_3$
nickel (III) phosphite	<b>I</b>	$\text{NiPO}_3$
hydroiodic acid	<b>A</b>	$\text{HI}_{(\text{aq})}$
hexasilicon heptoxide	<b>M</b>	$\text{Si}_6\text{O}_7$
pentaarsenic triphosphide	<b>M</b>	$\text{As}_5\text{P}_3$
hexacarbon trioxide	<b>M</b>	$\text{C}_6\text{O}_3$
antimony (V) hypoiodite	<b>I</b>	$\text{Sb}(\text{IO})_5$
sodium hypobromite	<b>I</b>	$\text{NaBrO}$
sulfurous acid	<b>A</b>	$\text{H}_2\text{SO}_{3(\text{aq})}$
lithium oxalate	<b>I</b>	$\text{Li}_2\text{C}_2\text{O}_4$
aluminum chlorite	<b>I</b>	$\text{Al}(\text{ClO}_2)_3$
hydrofluoric acid	<b>A</b>	$\text{HF}_{(\text{aq})}$

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$\text{HMnO}_{4(\text{aq})}$	<b>A</b>	permanganic acid
$\text{AuHCO}_3$	<b>I (with VOS metal)</b>	gold (I) hydrogen carbonate
$\text{KF}$	<b>I</b>	potassium fluoride
$\text{CrPO}_4$	<b>I (with VOS metal)</b>	chromium (III) phosphate
$\text{Ca}(\text{ClO}_2)_2$	<b>I</b>	calcium chlorite
$\text{Ni}_2\text{O}_3$	<b>I (with VOS metal)</b>	nickel (III) oxide
$\text{SeC}_9$	<b>M</b>	selenium nonacarbide
$\text{Fe}(\text{IO}_4)_3$	<b>I (with VOS metal)</b>	iron (III) periodate
$\text{PO}_4$	<b>M</b>	phosphorous tetroxide
$\text{SCl}_{10}$	<b>M</b>	sulfur decachloride
$\text{BaO}$	<b>I</b>	barium oxide
$\text{Au}(\text{IO}_3)_3$	<b>I (with VOS metal)</b>	gold (III) iodate
$\text{H}_3\text{PO}_{4(\text{aq})}$	<b>A</b>	phosphoric acid
$\text{Cs}_2\text{CrO}_4$	<b>I</b>	cesium chromate
$\text{SnF}_4$	<b>I (with VOS metal)</b>	tin (IV) fluoride
$\text{Ni}(\text{ClO}_2)_2$	<b>I (with VOS metal)</b>	nickel (II) chlorite
$\text{Al}_2(\text{SO}_3)_3$	<b>I</b>	arsenic (V) sulfite
$\text{FeO}$	<b>I (with VOS metal)</b>	iron (II) oxide
$\text{Hg}_2(\text{MnO}_4)_2$	<b>I (with VOS metal)</b>	mercury (I) permanganate
$\text{Cl}_{10}\text{F}_5$	<b>M</b>	decachlorine pentafluoride



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antimony (III) bromide	<b>I</b>	SbBr <sub>3</sub>
hydroiodic acid	<b>A</b>	HI <sub>(aq)</sub>
lithium fluoride	<b>I</b>	LiF
octaarsenic trisulfide	<b>M</b>	As <sub>8</sub> S <sub>3</sub>
copper (I) phosphite	<b>I</b>	Cu <sub>3</sub> PO <sub>3</sub>
nickel (III) hydride	<b>I</b>	NiH <sub>3</sub>
titanium (III) hydrogen carbonate	<b>I</b>	Ti(HCO <sub>3</sub> ) <sub>3</sub>
arsenic acid	<b>I</b>	H <sub>3</sub> AsO <sub>4(aq)</sub>
chromium (III) nitride	<b>I</b>	CrN
strontium hydrogen sulfate	<b>I</b>	Sr(HSO <sub>4</sub> ) <sub>2</sub>
magnesium hydroxide	<b>I</b>	Mg(OH) <sub>2</sub>
antimony (V) acetate	<b>I</b>	Sb(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>5</sub>
cobalt (III) chromate	<b>I</b>	Co <sub>2</sub> (CrO <sub>4</sub> ) <sub>3</sub>
zinc hydrogen sulfite	<b>I</b>	Zn(HSO <sub>3</sub> ) <sub>2</sub>
copper (II) bromide	<b>I</b>	CuBr <sub>2</sub>
nickel (II) hydrogen sulfide	<b>I</b>	Ni(HS) <sub>2</sub>
magnesium bromite	<b>I</b>	Mg(BrO <sub>2</sub> ) <sub>2</sub>
antimony (V) selenate	<b>I</b>	Sb <sub>2</sub> (SeO <sub>4</sub> ) <sub>5</sub>
mercury (II) sulfite	<b>I</b>	HgSO <sub>3</sub>
phosphorous acid	<b>A</b>	H <sub>3</sub> PO <sub>3(aq)</sub>

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Mn <sub>3</sub> N <sub>4</sub>	<b>I</b> (with VOS metal)	manganese (IV) nitride
Ni(IO) <sub>3</sub>	<b>I</b> (with VOS metal)	nickel (III) hypoiodite
Sn(ClO) <sub>4</sub>	<b>I</b> (with VOS metal)	tin (IV) hypochlorite
Sb(HSO <sub>3</sub> ) <sub>3</sub>	<b>I</b> (with VOS metal)	antimony (III) hydrogen sulfite
CO <sub>3</sub> <sup>-2</sup>	<b>this is an ION not a compound!</b>	carbonate
Al(MnO <sub>4</sub> ) <sub>3</sub>	<b>I</b>	aluminum permanganate
Li <sub>2</sub> CrO <sub>4</sub>	<b>I</b>	lithium chromate
FeP	<b>I</b> (with VOS metal)	iron (III) phosphide
KHSO <sub>4</sub>	<b>I</b>	potassium hydrogen sulfate
HNO <sub>2(aq)</sub>	<b>A</b>	nitrous acid
SnCO <sub>3</sub>	<b>I</b> (with VOS metal)	tin (II) carbonate
Cl <sub>9</sub> O <sub>7</sub>	<b>M</b>	nonachlorine heptoxide
FeBO <sub>3</sub>	<b>I</b> (with VOS metal)	iron (III) borate
H <sub>2</sub> Se <sub>(aq)</sub>	<b>A</b>	hydroselenic acid
Fe(NO <sub>3</sub> ) <sub>2</sub>	<b>I</b> (with VOS metal)	iron (II) nitrate
ZnSO <sub>4</sub>	<b>I</b>	zinc sulfate
H <sub>2</sub> S <sub>(aq)</sub>	<b>A</b>	hydrosulfuric acid
SeN <sub>2</sub>	<b>M</b>	selenium dinitride
BaSO <sub>3</sub>	<b>I</b>	barium sulfite
Bi <sub>3</sub> P <sub>5</sub>	<b>I</b> (with VOS metal)	bismuth (V) phosphide