

Compound Name	Indicate Type of Compound: I = ionic, A= acid, M = molecular	Write your answer here
manganese (II) nitrate	I	$\text{Mn}(\text{NO}_3)_2$
bismuth (V) iodite	I	$\text{Bi}(\text{IO}_2)_5$
silver carbonate	I	Ag_2CO_3
cobalt (III) nitrate	I	$\text{Co}(\text{NO}_3)_3$
heptachlorine pentafluoride	M	Cl_7F_5
chromium (III) oxide	I	Cr_2O_3
sodium chloride	I	NaCl
copper (I) permanganate	I	CuMnO_4
carbonic acid	A	$\text{H}_2\text{CO}_{3(\text{aq})}$
hexaphosphorous octaoxide	M	P_6O_8
chromium (II) hydroxide	I	$\text{Cr}(\text{OH})_2$
heptachlorine pentafluoride	M	Cl_7F_5
permanganic acid	A	$\text{HMnO}_{4(\text{aq})}$
tin (IV) hypochlorite	I	$\text{Sn}(\text{ClO})_4$
lithium hydrogen sulfide	I	LiHS
heptachlorine decafluoride	M	Cl_7F_{10}
iodine heptanitride	M	IN_7
cobalt (III) perbromate	I	$\text{Co}(\text{BrO}_4)_3$
gold (III) hypochlorite	I	$\text{Au}(\text{ClO})_3$
phosphorous tetroxide	M	PO_4

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Li_2SO_3	I	lithium sulfite
$\text{Fe}(\text{ClO})_2$	I (with VOS metal)	iron (II) hypochlorite
BeSO_4	I	beryllium sulfate
P_8S_8	M	phosphorous octasulfide
Cs_3AsO_4	I	cesium arsenate
SeO_4	M	selenium tetroxide
$\text{H}_2\text{SO}_{3(\text{aq})}$	A	sulfurous acid
Si_9O	M	nonasilicon oxide
$\text{Mg}(\text{HSO}_4)_2$	I	magnesium hydrogen sulfate
$\text{Cu}(\text{IO}_3)_2$	I (with VOS metal)	copper (II) iodate
MnHPO_4	I (with VOS metal)	manganese (II) hydrogen phosphate
CuSe	I (with VOS metal)	copper (II) selenide
BrO_3	M	bromine trioxide
C_3O_{10}	M	tricarbon decoxide
$\text{Mn}(\text{NO}_3)_4$	I (with VOS metal)	manganese (IV) nitrate
$\text{H}_2\text{SeO}_{4(\text{aq})}$	A	selenic acid
$\text{Sr}(\text{HCO}_3)_2$	I	strontium hydrogen carbonate
S_4F_2	M	tetrasulfur difluoride
$\text{Al}(\text{ClO}_2)_3$	I	aluminum chlorite
$\text{Fe}_2(\text{SO}_4)_3$	I	iron sulfate

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sodium iodate	I	NaIO ₃
cadmium perchlorate	I	Cd(ClO ₄) ₂
ammonium chlorate	I	NH ₄ ClO ₃
aluminum sulfate	I	Al ₂ (SO ₄) ₃
beryllium sulfide	I	BeS
nitric acid	A	HNO _{3(aq)}
copper (I) bromite	I	CuBrO ₂
potassium hydrogen sulfate	I	KHSO ₄
lead (IV) bromide	I	PbBr ₄
trinitrogen trifluoride	M	N ₃ F ₃
silver iodate	I	AgIO ₃
tin (II) acetate	I	Sn(C ₂ H ₃ O ₂) ₂
magnesium carbonate	I	MgCO ₃
tin (II) bromite	I	Sn(BrO ₂) ₂
manganese (II) phosphide	I	Mn ₃ P ₂
gold (III) nitrite	I	Au(NO ₂) ₃
mercury (II) hydrogen sulfate	I	Hg(HSO ₄) ₂
nonaphosphorous hexoxide	M	P ₉ O ₆
hexabromine trifluoride	M	Br ₆ F ₃
mercury (I) hypobromite	I	Hg ₂ (BrO) ₂

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Mg(MnO ₄) ₂	I	magnesium permanganate
Ni(C ₂ H ₃ O ₂) ₃	I (with VOS metal)	nickel (III) acetate
Fe(NO ₂) ₃	I (with VOS metal)	iron (III) nitrite
Ca(HS) ₂	I	calcium hydrogen sulfide
LiCl	I	lithium chloride
H ₃ PO _{3(aq)}	A	phosphorous acid
K ₂ S	I	potassium sulfide
RbIO ₂	I	rubidium iodite
Li ₃ AsO ₄	I	lithium arsenate
B ₁₀ O ₂	M	decaboron dioxide
Cr(BrO) ₃	I (with VOS metal)	chromium (III) hypobromite
CaS	I	calcium sulfide
LiBrO ₂	I	lithium bromite
Pb(HSO ₄) ₂	I (with VOS metal)	lead (II) hydrogen sulfate
B ₆ As ₇	M	hexaboron heptaarsenide
Ba(HS) ₂	I	barium hydrogen sulfide
HBrO _{4(aq)}	A	perbromic acid
Se ₈ C ₃	M	octaselenium tricarbide
FeN	I (with VOS metal)	iron (III) nitride
As ₂ (HPO ₄) ₃	I (with VOS metal)	arsenic (III) hydrogen phosphate

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strontium sulfite	I	SrSO_3
zinc iodide	I	ZnI_2
chromium (II) iodite	I	$\text{Cr}(\text{IO}_2)_2$
gold (III) hydrogen sulfate	I	$\text{Au}(\text{HSO}_4)_3$
aluminum hydrogen sulfide	I	$\text{Al}(\text{HS})_3$
selenium hexasulfide	M	SeS_6
copper (I) chlorite	I	CuClO_2
permanganic acid	A	$\text{HMnO}_{4(\text{aq})}$
silver hydrogen carbonate	I	AgHCO_3
sulfuric acid	A	$\text{H}_2\text{SO}_{4(\text{aq})}$
acetic acid	A	$\text{HC}_2\text{H}_3\text{O}_{2(\text{aq})}$
antimony (III) iodate	I	$\text{Sb}(\text{IO}_3)_3$
hypochlorous acid	A	$\text{HClO}_{(\text{aq})}$
copper (II) sulfide	I	CuS
cadmium aulfate	I	CdSO_4
cobalt (III) sulfite	I	$\text{Co}_2(\text{SO}_3)_3$
titanium (IV) selenate	I	$\text{Ti}(\text{SeO}_4)_2$
chlorous acid	A	$\text{HClO}_{2(\text{aq})}$
pentachlorine heptafluoride	M	Cl_5F_7
bismuth (III) chromate	I	$\text{Bi}_2(\text{CrO}_4)_3$

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TiBr ₄	I (with VOS metal)	titanium (IV) bromide
Se ₂ I ₉	M	diselenium nonaiodide
Co(C ₂ H ₃ O ₂) ₂	I (with VOS metal)	cobalt (II) acetate
Au(HSO ₃) ₃	I (with VOS metal)	gold (III) hydrogen sulfite
HCl _(aq)	A	hydrochloric acid
HBrO _{3 (aq)}	A	bromic acid
BaCl ₂	I	barium chloride
H ₂ SO _{4 (aq)}	A	sulfuric acid
Sn(IO) ₄	I (with VOS metal)	tin (IV) hypoiodite
S ₉ Br ₁₀	M	nonasulfur decabromide
Pb(CO ₃) ₂	I (with VOS metal)	lead (IV) carbonate
SnCrO ₄	I (with VOS metal)	tin (II) chromate
KC ₂ H ₃ O ₂	I	potassium acetate
Mg(NO ₂) ₂	I	magnesium nitrite
Ba ₃ (PO ₃) ₂	I	barium phosphite
Al(HSO ₃) ₃	I	aluminum hydrogen sulfite
H ₂ CrO _{4 (aq)}	A	chromic acid
P ₂ Br ₂	M	diphosphorous dibromide
AuHCO ₃	I (with VOS metal)	gold (I) hydrogen carbonate
P ₃ O ₉	M	triphosphorous nonoxide

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chromium (III) nitrate	I	$\text{Cr}(\text{NO}_3)_3$
copper (II) oxide	I	CuO
cobalt (II) sulfate	I	CoSO_4
gold (III) nitrite	I	$\text{Au}(\text{NO}_2)_3$
titanium (III) acetate	I	$\text{Ti}(\text{C}_2\text{H}_3\text{O}_2)_3$
nonachlorine pentoxide	M	Cl_9O_5
nickel (II) carbonate	I	NiCO_3
copper (II) dichromate	I	CuCr_2O_7
calcium selenide	I	CaSe
dioxygen tetrafluoride	M	O_2F_4
potassium phosphide	I	K_3P
barium sulfate	I	BaSO_4
cadmium phosphite	I	$\text{Cd}_3(\text{PO}_3)_2$
iron (III) hydrogen phosphate	I	$\text{Fe}_2(\text{HPO}_4)_3$
lead (II) hydrogen sulfite	I	$\text{Pb}(\text{HSO}_3)_2$
strontium hypoiodite	I	$\text{Sr}(\text{IO})_2$
cobalt (II) hydroxide	I	$\text{Co}(\text{OH})_2$
nitric acid	A	$\text{HNO}_{3(\text{aq})}$
titanium (IV) hydrogen carbonate	I	$\text{Ti}(\text{HCO}_3)_4$
hexoxygen difluoride	M	O_6F_2

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$\text{Au}_2(\text{MnO}_4)_3$	I (with VOS metal)	gold (III) permanganate
$\text{Bi}(\text{NO}_2)_3$	I (with VOS metal)	bismuth (III) nitrite
Ag_2CrO_4	I	silver chromate
LiHSO_3	I	lithium hydrogen sulfite
$\text{HBrO}_{3(\text{aq})}$	A	bromic acid
Cl_5O_4	M	pentachlorine tetroxide
$\text{H}_3\text{PO}_{4(\text{aq})}$	A	phosphoric acid
$\text{Co}(\text{BrO}_3)_3$	I (with VOS metal)	cobalt (III) bromate
$\text{HBrO}_{(\text{aq})}$	A	hypobromous acid
$\text{Be}(\text{HCO}_3)_2$	I	beryllium hydrogen carbonate
Cl_3O_8	M	trichlorine octaoxide
KBrO_2	I	potassium bromite
FeF_3	I (with VOS metal)	iron (III) fluoride
MgSeO_4	I	magnesium selenate
$\text{Sr}(\text{HSO}_4)_2$	I	strontium hydrogen sulfate
SnCrO_4	I (with VOS metal)	tin (II) chromate
Ag_2O	I	silver oxide
Sr_3P_2	I	strontium phosphide
$\text{Ti}(\text{NO}_2)_3$	I (with VOS metal)	titanium (III) nitrite
$\text{Al}_2(\text{CO}_3)_3$	I	aluminum carbonate

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tin (IV) carbonate	I	$\text{Sn}(\text{CO}_3)_2$
octaselenium decasulfide	M	Se_8S_{10}
manganese (II) hypochlorite	I	$\text{Mn}(\text{ClO})_2$
aluminum phosphide	I	AlP
calcium perbromate	I	$\text{Ca}(\text{BrO}_4)_2$
gold (III) selenide	I	Au_2Se_3
titanium (III) permanganate	I	$\text{Ti}(\text{MnO}_4)_3$
perchloric acid	A	$\text{HClO}_{4(\text{aq})}$
antimony (III) hydrogen phosphate	I	$\text{Sb}_2(\text{HPO}_4)_3$
lead (II) hydrogen sulfate	I	$\text{Pb}(\text{HSO}_4)_2$
titanium (III) hydrogen carbonate	I	$\text{Ti}(\text{HCO}_3)_3$
sodium iodate	I	NaIO_3
potassium hydrogen sulfite	I	KHSO_3
copper (II) selenide	I	CuSe
barium arsenate	I	$\text{Ba}_3(\text{AsO}_4)_2$
strontium hydrogen sulfide	I	$\text{Sr}(\text{HS})_2$
zinc nitride	I	Zn_3N_2
lead (II) bromide	I	PbBr_2
antimony (V) phosphate	I	$\text{Sb}_3(\text{PO}_4)_5$
bismuth (III) chromate	I	$\text{Bi}_2(\text{CrO}_4)_3$

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Se ₁₀ S ₅	M	decaselenium pentasulfide
Fe(ClO ₂) ₃	I (with VOS metal)	iron (III) chlorite
Ti ₂ (Cr ₂ O ₇) ₃	I (with VOS metal)	titanium (III) dichromate
Ba(HCO ₃) ₂	I	barium hydrogen carbonate
CrI ₃	I (with VOS metal)	chromium (III) iodide
Ni(BrO) ₃	I (with VOS metal)	nickel (III) hypobromite
Sb(HCO ₃) ₅	I (with VOS metal)	antimony (V) hydrogen carbonate
K ₄ C	I	potassium carbide
LiIO ₄	I	lithium periodate
Cd ₃ P ₂	I	cadmium phosphide
Si ₈ F ₂	M	octasilicon difluoride
Co(MnO ₄) ₂	I (with VOS metal)	cobalt (II) permanganate
As ₃ O	M	triarsenic oxide
AuClO	I (with VOS metal)	gold (I) hypochlorite
HClO _{3 (aq)}	A	chloric acid
MnS	I (with VOS metal)	manganese (II) sulfide
Pb(C ₂ H ₃ O ₂) ₂	I (with VOS metal)	lead (II) hydrogen oxalate
CrPO ₄	I (with VOS metal)	chromium (III) phosphate
Sb(IO ₂) ₃	I (with VOS metal)	antimony (III) iodite
NH ₄ IO ₄	I	ammonium periodate