Compound Name	Indicate type of compound: I = ionic, V = VOS ionic A= acid, C = covalent, O = Organic	Compound Formula
octaiodine trichloride	**C**	**I_8Cl_3**
bromous acid	**A**	**$HBrO_{2(aq)}$**
gold (III) phosphite	**V**	**$AuPO_3$**
zinc oxide	**I**	**ZnO**
lithium iodate	**I**	**$LiIO_3$**
cobalt (III) sulfite	**V**	**$Co_2(SO_3)_3$**
potassium silicate	**I**	**K_4SiO_4**
phosphorous acid	**A**	**$H_3PO_{3(aq)}$**
vanadium (III) bromate	**V**	**$V(BrO_3)_3$**
zinc phosphide	**I**	**Zn_3P_2**
methane	**O**	**CH_4**
copper (II) permanganate	**V**	**$Cu(MnO_4)_2$**
iron (II) arsenate	**V**	**$Fe_3(AsO_4)_2$**
hydroselenic acid	**A**	**$H_2Se_{(aq)}$**
ethane	**O**	**C_2H_6**
mercury (I) iodide	**V**	**Hg_2I_2**
tellurous acid	**A**	**$H_2TeO_{3(aq)}$**
ammonium carbonate	**I**	**$(NH_4)_2CO_3$**
tetrasulfur pentabromide	**C**	**S_4Br_5**
cesium peroxide	**I**	**Cs_2O_2**

Compound Formula	Indicate type of compound: I = ionic, V = VOS ionic A= acid, C = covalent, O = Organic	Compound Name
$Al(NO_2)_3$	**I**	**aluminum nitrite**
$RbBrO_3$	**I**	**rubidium bromate**
$U(OH)_6$	**V**	**uranium (VI) hydroxide**
$AuClO_4$	**V**	**gold (I) perchlorate**
$Hg_2(ClO_3)_2$	**V**	**mercury (I) chlorate**
S_3O	**C**	**trisulfur monoxide**
CdO_2	**I**	**cadmium peroxide**
$HIO_{(aq)}$	**A**	**hypoiodous acid**
$Cu(HS)_2$	**V**	**copper (II) hydrogen sulfide OR copper (II) bisulfide**
$Zn(IO_3)_2$	**I**	**zinc iodate**
$HF_{(aq)}$	**A**	**hydrofluoric acid**
$CsCl$	**I**	**cesium chloride**
Te_2N_8	**C**	**ditellurium octanitride**
$Cr(SO_3)_3$	**V**	**chromium (VI) sulfite**
Pb_3N_2	**V**	**lead (II) nitride**
$Ba(C_2H_3O_2)_2$	**I**	**barium acetate**
$CoBr_3$	**V**	**cobalt (III) bromide**
$V_2(SO_4)_3$	**V**	**vanadium (III) sulfate**
HCN	**C**	**hydrogen cyanide**
$Be(HCO_3)_2$	**I**	**beryllium hydrogen carbonate OR beryllium bicarbonate**

Compound Name	Indicate type of compound: I = ionic, V = VOS ionic A= acid, C = covalent, O = Organic	Compound Formula
tetracarbon dichloride	C	C_4Cl_2
nonabromine trifluoride	C	Br_9F_3
iodic acid	A	$HIO_{3(aq)}$
heptaphosphorus hexoxide	C	P_7O_6
hypochlorous acid	A	$HClO_{(aq)}$
rubidium nitride	I	Rb_3N
bromine dioxide	C	BrO_2
bromous acid	A	$HBrO_{2(aq)}$
mercury (II) chlorite	V	$Hg(ClO_2)_2$
sodium nitrate	I	$NaNO_3$
magnesium selenite	I	$MgSeO_3$
hydrogen chloride	C	HCl
titanium (IV) sulfite	V	$Ti(SO_3)_2$
hexaiodine tetranitride	C	I_6N_4
strontium sulfate	I	$SrSO_4$
tin (II) hydride	V	SnH_2
zinc dichromate	I	$ZnCr_2O_7$
mercury (I) phosphate	V	$(Hg_2)_3(PO_4)_2$
pentabromine tetrafluoride	C	Br_5F_4
lithium chloride	I	$LiCl$

Compound Formula	Indicate type of compound: I = ionic, V = VOS ionic A= acid, C = covalent, O = Organic	Compound Name
HCl	**C**	**hydrogen chloride**
$Zn(IO)_2$	**I**	**zinc hypoiodite**
$H_3PO_{3(aq)}$	**S**	**phosphorous acid**
RbF	**I**	**rubidium fluoride**
$AgIO_2$	**I**	**silver iodite**
$Mn(ClO_3)_4$	**V**	**manganese (IV) chlorate**
$(NH_4)_3PO_4$	**I**	**ammonium phosphate**
$U(NO_3)_6$	**V**	**uranium (VI) nitrate**
$KSCN$	**I**	**potassium thiocyanate**
Zn_3P_2	**I**	**zinc phosphide**
$Pb(SO_4)_2$	**V**	**lead (IV) sulfate**
Ca_3N_2	**I**	**calcium nitride**
$HF_{(aq)}$	**A**	**hydrofluoric acid**
$C_{10}H_{22}$	**O**	**decane**
$Cd(ClO)_2$	**I**	**cadmium hypochlorite**
$CsC_2H_3O_2$	**I**	**cesium acetate**
$Al(H_2PO_4)_3$	**I**	**aluminum dihydrogen phosphate**
$Hg_2(NO_2)_2$	**V**	**mercury (I) nitrite**
$CoSeO_3$	**V**	**cobalt (II) selenite**
C_7H_{12}	**O**	**heptyne**

Compound Name	Indicate type of compound: I = ionic, V = VOS ionic A= acid, C = covalent, O = Organic	Compound Formula
copper (I) cyanate	V	$CuOCN$
hydrosulfuric acid	A	$H_2S_{(aq)}$
phosphorous acid	A	$H_3PO_{3(aq)}$
barium carbonate	I	$BaCO_3$
chromium (II) nitrate	V	$Cr(NO_3)_2$
strontium hydrogen sulfide	I	$Sr(HS)_2$
manganese (IV) nitride	V	Mn_3N_4
uranium (VI) hydroxide	V	$U(OH)_6$
vanadium (V) iodate	V	$V(IO_3)_5$
beryllium hypoiodite	I	$Be(IO)_2$
nickel (II) chlorate	V	$Ni(ClO_3)_2$
cobalt (III) carbide	V	Co_4C_3
magnesium hypochlorite	I	$Mg(ClO)_2$
lead (II) phosphide	V	Pb_3P_2
rubidium fluoride	I	RbF
iron (III) permanganate	V	$Fe(MnO_4)_3$
pentane	O	C_5H_{12}
bismuth (III) sulfite	V	$Bi_2(SO_3)_3$
aluminum dichromate	I	$Al_2(Cr_2O_7)_3$
calcium hydride	I	CaH_2

Compound Formula	Indicate type of compound: I = ionic, V = VOS ionic A= acid, C = covalent, O = Organic	Compound Name
C_4H_{10}	**O**	**butane**
Bi_2S_5	**V**	**bismuth (V) sulfide**
$(NH_4)_2SO_4$	**I**	**ammonium sulfate**
$Pb(SO_4)_2$	**V**	**lead (IV) sulfate**
$Ni(NO_3)_2$	**V**	**nickel (II) nitrate**
$AgBrO_3$	**I**	**silver bromate**
$BaBr_2$	**I**	**barium bromide**
$UAsO_4$	**V**	**uranium (III) arsenate**
FeN	**V**	**iron (III) nitride**
$HBrO_{(aq)}$	**A**	**hypobromous acid**
N_6O_8	**C**	**hexanitrogen octoxide**
$NaHC_2O_4$	**I**	**sodium hydrogen oxalate OR sodium bioxalate**
$Co(MnO_4)_2$	**V**	**cobalt (II) permanganate**
$HClO_{3(aq)}$	**A**	**chloric acid**
$CaCO_3$	**I**	**calcium carbonate**
SbF_3	**V**	**antimony (III) fluoride**
Rb_2SO_3	**I**	**rubidium sulfite**
HF	**C**	**hydrogen fluoride**
$Mn(OH)_2$	**V**	**manganese (II) hydroxide**
$Cr(HCO_3)_6$	**V**	**chromium (VI) hydrogen carbonate OR chromium (VI) bicarbonate**

Compound Name	Indicate type of compound: I = ionic, V = VOS ionic A= acid, C = covalent, O = Organic	Compound Formula
butene	**O**	**C_4H_8**
aluminum chloride	**I**	**$AlCl_3$**
gold (I) nitride	**V**	**Au_3N**
heptacarbon trinitride	**O**	**C_7N_3**
mercury (I) chlorite	**V**	**$Hg_2(ClO_2)_2$**
nickel (III) iodite	**V**	**$Ni(IO_2)_3$**
hypochlorous acid	**A**	**$HClO_{(aq)}$**
diselenium dicarbide	**C**	**Se_2C_2**
manganese (II) iodide	**V**	**MnI_2**
oxalic acid	**A**	**$H_2C_2O_{4(aq)}$**
strontium nitrate	**I**	**$Sr(NO_3)_2$**
silver phosphite	**I**	**Ag_3PO_3**
chromium (III) hydrogen oxalate	**V**	**$Cr(HC_2O_4)_3$**
hydrosulfuric acid	**A**	**$H_2S_{(aq)}$**
tellurous acid	**A**	**$H_2TeO_{3(aq)}$**
hexatellurium tetroxide	**C**	**Te_6O_4**
lead (II) acetate	**V**	**$Pb(C_2H_3O_2)_2$**
nitric acid	**A**	**$HNO_{3(aq)}$**
cesium bisulfide	**I**	**CsHS**
hydrogen fluoride	**C**	**HF**

Compound Formula	Indicate type of compound: I = ionic, V = VOS ionic A= acid, C = covalent, O = Organic	Compound Name
$HIO_{(aq)}$	**A**	**hypoiodous acid**
CO	**C**	**carbon monoxide**
PbH_4	**V**	**lead (IV) hydride**
$RbCN$	**I**	**rubidium cyanide**
$H_2CO_{3(aq)}$	**A**	**carbonic acid**
$VAsO_4$	**V**	**vanadium (III) arsenate**
$CsIO_2$	**I**	**cesium iodite**
$U_2(TeO_4)_3$	**V**	**uranium (III) tellurate**
$Cr(IO_3)_2$	**V**	**chromium (II) iodate**
$CuClO_3$	**V**	**copper (I) chlorate**
$MgSO_3$	**I**	**magnesium sulfite**
Te_5Cl_6	**C**	**pentatellurium hexachloride**
Li_3N	**I**	**lithium nitride**
$HCl_{(aq)}$	**A**	**hydrochloric acid**
$SnHPO_4$	**V**	**tin (II) hydrogen phosphate OR tin (II) biphosphate**
K_2Te	**I**	**potassium telluride**
$CdTeO_3$	**I**	**cadmium tellurite**
Br_3F_6	**C**	**tribromine hexafluoride**
Cl_9F_8	**C**	**nonachlorine octafluoride**
$Zn(SCN)_2$	**I**	**zinc thiocyanate**

Compound Name	Indicate type of compound: I = ionic, V = VOS ionic A= acid, C = covalent, O = Organic	Compound Formula
titanium (III) hypoiodite	V	$Ti(IO)_3$
lead (IV) iodite	V	$Pb(IO_2)_4$
rubidium iodate	I	$RbIO_3$
nickel (III) chlorite	V	$Ni(ClO_2)_3$
cesium peroxide	I	Cs_2O_2
strontium sulfate	I	$SrSO_4$
hydrosulfuric acid	A	$H_2S_{(aq)}$
dihydrogen sulfide	C	H_2S
trichlorine pentoxide	C	Cl_3O_5
copper (I) hypochlorite	V	$CuClO$
sodium nitrate	I	$NaNO_3$
nonabromine nonachloride	C	Br_9Cl_9
manganese (II) phosphide	V	Mn_3P_2
gold (I) sulfite	V	Au_2SO_3
barium hydroxide	I	$Ba(OH)_2$
mercury (II) bromate	V	$Hg(BrO_3)_2$
cobalt (III) dihydrogen phosphate	V	$Co(H_2PO_4)_3$
chromium (III) fluoride	V	CrF_3
iron (III) cyanide	V	$Fe(CN)_3$
selenic acid	A	$H_2SeO_{4(aq)}$

Compound Formula	Indicate type of compound: I = ionic, V = VOS ionic A= acid, C = covalent, O = Organic	Compound Name
$Ti(HCO_3)_4$	**V**	**titanium (IV) hydrogen carbonate OR titanium (IV) bicarbonate**
$NiPO_4$	**V**	**nickel (III) phosphate**
$Be(NO_3)_2$	**I**	**beryllium nitrate**
Bi_3As_5	**V**	**bismuth (V) arsenide**
$Fe(C_2H_3O_2)_3$	**V**	**iron (III) acetate**
$SrSO_4$	**I**	**strontium sulfate**
C_7H_{12}	**O**	**heptyne**
$MgCr_2O_7$	**I**	**magnesium dichromate**
$HI_{(aq)}$	**A**	**hydroiodic acid**
$V(ClO_3)_5$	**V**	**vanadium (V) chlorate**
$(NH_4)_2SO_4$	**I**	**ammonium sulfate**
N_9Cl_5	**C**	**nonanitrogen pentachloride**
$RbBrO_3$	**I**	**rubidium bromate**
$CsCN$	**I**	**cesium cyanide**
$HNO_{2(aq)}$	**A**	**nitrous acid**
$HBr_{(aq)}$	**A**	**hydrobromic acid**
AlF_3	**I**	**aluminum fluoride**
$HCN_{(aq)}$	**A**	**hydrocyanic acid**
$HIO_{4(aq)}$	**A**	**periodic acid**
$HIO_{2(aq)}$	**A**	**iodous acid**