

Write correct formulas of the compounds formed when the positive ions in the vertical column combine with the negative ions listed across the top row. The first two are done for you. Be sure to look up the oxidation numbers on your periodic table/reference sheet.

Worksheet 4	hydrogen carbonate	dichromate	acetate	sulfide	chloride	sulfite ^{FL}
sodium	NaHCO ₃	Na ₂ Cr ₂ O ₇	Na CH ₃ COO	Na ₂ S	NaCl	Na ₂ SO ₃
silver	AgHCO ₃	Ag ₂ Cr ₂ O ₇	Ag CH ₃ COO	Ag ₂ S	AgCl	Ag ₂ SO ₃
ammonium	NH ₄ HCO ₃	(NH ₄) ₂ Cr ₂ O ₇	NH ₄ CH ₃ COO	(NH ₄) ₂ S	NH ₄ Cl	(NH ₄) ₂ SO ₃
mercury(I)	Hg ₂ HCO ₃	Hg ₂ Cr ₂ O ₇	Hg ₂ CH ₃ COO	Hg ₂ S	Hg ₂ Cl	Hg ₂ SO ₃
zinc	Zn(HCO ₃) ₂	ZnCr ₂ O ₇	Zn(CH ₃ COO) ₂	ZnS	ZnCl ₂	ZnSO ₃
calcium	Ca(HCO ₃) ₂	CaCr ₂ O ₇	Ca(CH ₃ COO) ₂	CaS	CaCl ₂	CaSO ₃
magnesium	Mg(HCO ₃) ₂	MgCr ₂ O ₇	Mg(CH ₃ COO) ₂	MgS	MgCl ₂	MgSO ₃
copper(I)	CuHCO ₃	Cu ₂ Cr ₂ O ₇	CuCH ₃ COO	Cu ₂ S	CuCl	Cu ₂ SO ₃
lead(II)	Pb(HCO ₃) ₂	PbCr ₂ O ₇	Pb(CH ₃ COO) ₂	PbS	PbCl ₂	PbSO ₃
aluminum	Al(HCO ₃) ₃	Al ₂ (Cr ₂ O ₇) ₃	Al(CH ₃ COO) ₃	Al ₂ S ₃	AlCl ₃	Al ₂ (SO ₃) ₃
manganese(III)	Mn(HCO ₃) ₃	Mn ₂ (Cr ₂ O ₇) ₃	Mn(CH ₃ COO) ₃	Mn ₂ S ₃	MnCl ₃	Mn ₂ (SO ₃) ₃
cobalt(III)	Co(HCO ₃) ₃	Co ₂ (Cr ₂ O ₇) ₃	Co(CH ₃ COO) ₃	Co ₂ S ₃	CoCl ₃	Co ₂ (SO ₃) ₃
copper(II)	Cu(HCO ₃) ₂	CuCr ₂ O ₇	Cu(CH ₃ COO) ₂	CuS	CuCl ₂	CuSO ₃
iron(III)	Fe(HCO ₃) ₃	Fe ₂ (Cr ₂ O ₇) ₃	Fe(CH ₃ COO) ₃	Fe ₂ S ₃	FeCl ₃	Fe ₂ (SO ₃) ₃
lead(I)	PbHCO ₃	Pb ₂ Cr ₂ O ₇	PbCH ₃ COO	Pb ₂ S	PbCl	Pb ₂ SO ₃
potassium	KHCO ₃	K ₂ Cr ₂ O ₇	KCH ₃ COO	K ₂ S	KCl	K ₂ SO ₃
barium	Ba(HCO ₃) ₂	BaCr ₂ O ₇	Ba(CH ₃ COO) ₂	BaS	BaCl ₂	BaSO ₃