

Ionic Formulas Practice

name

Write in all ions with charges, then criss cross to get the formula. Then write in the IUPAC names.

Work left to right to learn. Working down the columns is quicker, but less effective. Trust me on this

Cation	Anion	Formula	Proper name
Ammonium NH_4^{+1}	Cl Cl^{-1}	NH_4Cl	Ammonium chloride
Ammonium	S		
Ammonium	P		
Beryllium	F		
Magnesium	O		
Calcium	N		
Strontium	Nitrate		
Sodium	hydroxide		

Cation	Anion	Formula	Proper name
Lithium	Chromate		
Potassium	Carbonate		
Aluminum	Iodine		
Aluminum	Acetate		
Niobium (V)	Carbonate		
Bismuth (III)	Perchlorate		
Bismuth (V)	Chlorine		
Chromium (II)	Sulfur		
Chromium (III)	Sulfur		
Chromium (VI)	Sulfur		

Cation	Anion	Formula	Proper name
Zinc	Hydroxide		
Manganese (VII)	Dichromate		
Silver	Nitrogen		
Tungsten	Oxygen		
Barium	Sulfite		
Tin (II)	Permanganate		
Molybdenum	Chlorine		
Vanadium (IV)	Sulfur		
Zirconium	Chlorine		
Lead (II)	Phosphate		

Cation	Anion	Formula	Proper name
Iridium (IV)	Nitrate		
Manganese (VII)	Thiocyanate		
Tin (IV)	Permanganate		
Mercury (II)	Chlorate		
Lead (II)	Nitrite		
Gold (III)	Sulfate		
Scandium	Nitrogen		
Ammonium	Hydrogen carbonate		
Tantalum	Sulfur		
Palladium (II)	Hydroxide		