

Compound Names and Formulas

For the list on the left, name the compound. For the list on the right, give the chemical formula that corresponds to the name

	Name	Formula
1) NaF	13) potassium fluoride	
2) K ₂ CO ₃	14) ammonium sulfate	
3) MgCl ₂	15) magnesium iodide	
4) Be(OH) ₂	16) copper (II) sulfite	
5) SrS	17) aluminum phosphate	
6) Cu ₂ S	18) lead (II) nitrite	
7) ZnI ₂	19) cobalt (II) selenide	
8) Ca ₃ (PO ₄) ₂	20) silver cyanide	
9) NH ₄ I	21) copper (II) bicarbonate bi carbonate = hydrogen carbonate	
10) Mn(NO ₃) ₃	22) iron (II) oxide	
11) FePO ₄	23) lithium cyanide	
12) CoCO ₃	24) lead (IV) sulfite	

Chemical Formula Writing Worksheet

Write chemical formulas for the compounds in each box. The names are found by finding the intersection between the cations and anions. Example: The first box is the intersection between the "zinc" cation and the "chloride" anion, so you should write "ZnCl₂", as shown.

	zinc	iron (II)	iron (III)	gallium	silver	lead (IV)
chloride	ZnCl ₂					
acetate						
nitrate						
oxide						
nitride						
sulfate						

Write the formulas for the following compounds:

- 1) copper (II) chloride _____
- 2) lithium acetate _____
- 3) vanadium (III) selenide _____
- 4) manganese (IV) nitride _____
- 5) beryllium oxide _____
- 6) sodium sulfate _____
- 7) aluminum arsenide _____
- 8) potassium permanganate _____
- 9) chromium (VI) cyanide _____
- 10) tin (II) sulfite _____
- 11) vanadium (V) fluoride _____
- 12) ammonium nitrate _____