Name	
Period	

Writing Compound Formulas Worksheet

Write	e the correct formula for each of the following	ionic compound names.		
1. C	Copper (I) phosphate	16. Iron (III) sulfate		
2. N	Magnesium nitrite	17. Silver (I) dichromate		
3. C	Cobalt (II) hydroxide	18. Lead (II) nitride		
4. lı	ron (III) chromate	19. Strontium hypochlorite		
5. C	Chromium (II) chloride	20. Barium chlorate		
6. Z	Zinc (II) fluoride	21. Tin (IV) oxide		
7. N	Mercury (II) acetate	22. Nickel (II) cyanide		
8. N	Manganese (II) iodide	23. Aluminum sulfide		
9. C	Copper (II) nitrate	24. Lead (IV) chromate		
10. A	Aluminum hydroxide	25. Potassium permanganate		
11. lı	ron (II) phosphate	26. Calcium dihydrogen phosphate		
12. N	Magnesium sulfite	27. Barium hydrogen sulfate		
13. T	Fin (II) bromide	28. Lithium monohydrogen phosphate		
14. S	Sodium bicarbonate	29. Silver (I) bisulfite		
15. C	Chromium (III) oxalate	30. Ammonium carbonate		
<u>Write</u>	e the Compound formulas for the covalent mo	plecules below:		
31. 🛚	Dinitrogen oxide	35. Tetraphosphorus trisulfide		
32. C	Carbon tetraiodide	36. Sulfur hexafluoride		
33. E	Dioxygen heptachloride	37. Dinitrogen pentoxide		
34. F	Phosphorus tribromide	38. Tetrasulfur decanitride		
Write the compound name for the following covalent molecules.				
39. C	CS ₂	43. N ₂ S ₅		
40. F		44. S ₂ F ₁₀		
41. C	CBr ₄	45. Cl ₂ O ₇		
42. F	P ₄ S ₁₀	46. I ₂ O ₅		

Write formulas	for the following t	temary ionic compo	unds.	
1. sodium phosphate			5. ammonium bromide	
2. magnesium r	nitrate		6. potassium dichromate	
3. sodium hydro	oxide		7. cesium chlorate	
4. potassium cy	anide		8. iron (III) sulfate	
Write formulas	for compounds u	sing these pairs of i	ons.	
9. lithium, carb	oonate		12. hydroxide, chromium (III)	
10. nitride, tin (I	V)		13. calcium, phosphide	
11. sulfide, pota	assium		14. chromate, ammonium	
Write formulas	for the following l	binary compounds.		
15. nitrogen trib	romide		21. strontium bromide	
16. dichlorine m	nonoxide		22. aluminum nitrite	
17. dinitrogen te	etrafluoride		23. copper (II) iodide	
18. xenon dichle	oride		24. hydrobromic acid	
19. lead (IV) su	lfide		25. dihydrogen sulfide	
20. phosphorus	pentafluoride		26. dinitrogen difluoride	
Give the charg	e on the following	ions:		
27. nitrate	28. oxide	29. phosphate	30. nitride	
Name the follo	wing compounds:			
31. CuCN			41. NH ₄ HCO ₃	
32. SiO ₂			42. NBr ₃	
33. SeF ₄			43. Cr(OH) ₃	
34. Hgl ₂			44. Nil ₂	
35. SO ₃			45. SnCl ₄	
36. H ₃ PO ₄			46. SF ₆	
37. SrBr ₂			47. HCl	
38. NiCl ₂			48. AIF ₃	
39. K ₂ SO ₄			49. Cl ₂ O ₇	
40. FeCO ₃			50. MnSO ₄	
51. Name and	write symbols for a	all seven diatomic n	nolecules:	
a		e		
b		f		
c		g		