

Name _____ Formula Writing Sheet #1

Name of Compound	Positive ion	Negative ion	Formula
1. Sodium Iodide	Na^+	I^-	NaI
2. Silver sulfide	Ag^+	S^{2-}	Ag_2S
3. Barium sulfate			
4. Lithium sulfide			
5. Sodium hydroxide			
6. Ammonium chlorate		ClO_3^-	
7. Zinc sulfate	Zn^{2+}		
8. Iron(III) phosphate	Fe^{3+}		
9. Nickel (II) hydroxide	Ni^{2+}		
10. Chromium (III) oxide	Cr^{3+}		
11. Iron (III) sulfate			
12. Copper (II) nitrate			
13. copper (II) carbonate			
14. magnesium phosphide			
15. aluminum nitrate			
16. sodium phosphate			
17. aluminum sulfate			
18. aluminum sulfide			
19. iron (III) sulfite			
20. ammonium carbonate			

Name _____

Formula Writing I

Complete the chart.

Compound made of	Cation (metal)	Anion (non-metal)	Formula
1. hydrogen and sulfur			
2. calcium and chlorine			
3. sodium and phosphorus			
4. aluminum and sulfur			
5. magnesium and oxygen			
6. aluminum and chlorine			
7. magnesium and fluorine			
8. sodium and sulfur			
9. hydrogen and oxygen			
10. aluminum and oxygen			
11. calcium and phosphorus			
12. calcium and oxygen			

Name _____

Formula Writing II

Compound made of	Positive ion	Negative ion	Formula
1. Magnesium and hydroxide	Mg ²⁺	OH ⁻	Mg(OH) ₂
2. potassium and sulfate			
3. calcium and nitrate			
4. aluminum and phosphate			
5. ammonium and chlorine			
6. Ammonium and sulfur			
7. aluminum and carbonate			
8. calcium and carbonate			
9. hydrogen and carbonate			
10. ammonium and hydroxide			
11. sodium and carbonate			
12. ammonium and fluorine			