Name CALVIN

Chemistry Worksheet
Naming & Formula Writing (Ionic) Review
(40 problems)

INSTRUCTIONS: Write the formulas for the following ionic compounds that will be formed from the following ions:

1. sodium and nitrogen Na_3N
2. lithium and oxygen Li_2O
3. strontium and fluorine SrF_2
4. aluminum and sulfur Al_2S_3
5. cesium and phosphorous Cs_3P
6. potassium and iodide KI
7. magnesium and chloride $MgCl_2$
8. potassium and dichromate $K_2Cr_2O_7$
9. aluminum and bromide $AlBr_3$
10. cesium and nitride Cs_3N
11. barium and sulfide BaS
12. sodium and nitrate $NaNO_3$
13. calcium and chlorate $Ca(ClO_3)_2$
14. aluminum and carbonate $Al_2(CO_3)_3$
15. potassium and chromate K_2CrO_4
16. magnesium and carbonate $MgCO_3$

INSTRUCTIONS: Name the following ionic compounds

17. $NaBr$ Sodium bromide
18. $CaCl_2$ Calcium chloride
19. KOH Potassium hydroxide
20. CsI Cesium Iodide
21. $Cu(NO_3)_2$ Copper (II) Nitrate
22. Ag_2CrO_4 Silver chromate
23. $FeCl_3$ Iron (III) Chloride
24. $NaCH_3COO$ Sodium Acetate

INSTRUCTIONS: Complete the table below by providing the formula for the correct formula for each compound listed below.

	Oxide	Chloride	Sulfate	Phosphate
Potassium	K_2O	KCl	K_2SO_4	K_3PO_4
Barium	BaO	$BaCl_2$	$BaSO_4$	$Ba_3(PO_4)_2$
Aluminum	Al_2O_3	$AlCl_3$	$Al_2(SO_4)_3$	$AlPO_4$
Ammonium	$(NH_4)_2O$	NH_4Cl	$(NH_4)_2SO_4$	$(NH_4)_3PO_4$