

Naming Mixed Ionic and Covalent Compounds

Name the following compounds. Remember, they may be either ionic or covalent compounds, so make sure you use the right naming method!

- 1) NaF _____
- 2) NF_3 _____
- 3) Li_2O _____
- 4) Al_2S_3 _____
- 5) MgSO_4 _____
- 6) SiH_4 _____
- 7) KNO_3 _____
- 8) P_2O_5 _____
- 9) CH_4 _____
- 10) $\text{Ca}(\text{OH})_2$ _____

Write the formulas for the following compounds. Remember, they may be either ionic or covalent compounds, so make sure you use the right method!

- 11) lithium chloride _____
- 12) nitrogen trichloride _____
- 13) sodium oxide _____
- 14) dinitrogen trioxide _____
- 15) ammonia _____
- 16) diboron dihydride _____
- 17) potassium phosphide _____
- 18) oxygen difluoride _____
- 19) magnesium nitrate _____
- 20) aluminum carbonate _____

Name each of the following chemical compounds:

- 1) CaF_2 _____
- 2) $\text{Be}(\text{OH})_2$ _____
- 3) NO_2 _____
- 4) $\text{Al}_2(\text{SO}_4)_3$ _____
- 5) NH_4NO_3 _____
- 6) S_2F_2 _____
- 7) Na_2CO_3 _____
- 8) CH_4 _____

Write the formulas for each of the following chemical compounds:

- 9) phosphorus trichloride _____
- 10) magnesium hydroxide _____
- 11) potassium phosphate _____
- 12) diphosphorus tetrabromide _____
- 13) ammonia _____
- 14) germanium phosphate _____
- 15) ammonium sulfate _____
- 16) diphosphorus pentoxide _____