

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) NF₃ _____
- 3) Li₂O _____
- 4) Al₂S₃ _____
- 5) MgSO₄ _____
- 6) SiH₄ _____
- 7) KNO₃ _____
- 8) P₂O₅ _____
- 9) CH₄ _____
- 10) Ca(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 _____

Write the names of the following *covalent* compounds:

21) SO_3 _____

22) N_2S _____

23) PH_3 _____

24) BF_3 _____

25) P_2Br_4 _____

26) CO _____

27) SiO_2 _____

28) SF_6 _____

29) NH_3 _____

30) NO_2 _____

Write the formulas of the following *covalent* compounds:

31) nitrogen trichloride _____

32) boron carbide _____

33) dinitrogen trioxide _____

34) phosphorus pentafluoride _____

35) methane _____

36) sulfur dibromide _____

37) diboron tetrahydride _____

38) oxygen difluoride _____

39) carbon disulfide _____

40) nitrogen monoxide _____