

Naming Ionic and Covalent Compounds

Give the name of the following compounds. They may be either ionic or covalent, so make sure that you use the right naming method!

Name

1. NaF _____
2. NF₃ _____
3. MgBr₂ _____
4. KCl _____
5. Li₂O _____
6. Al₂S₃ _____
7. P₂O₅ _____
8. PH₃ _____
9. PbO _____
10. CO _____
11. SF₆ _____
12. Mg₃P₂ _____

For the following compounds, give the formulas. Remember they may be either ionic or covalent, so be sure that you use the right naming method!:

13. Lithium Chloride _____
14. Aluminum Sulfide _____
15. Beryllium Chloride _____
16. Nitrogen Trichloride _____
17. Dinitrogen Trioxide _____
18. Oxygen Difluoride _____

19. Phosphorous Pentafluoride _____
20. Calcium Oxide _____
21. Barium Oxide _____
22. Silver Bromide _____
23. Sodium Fluoride _____
24. Magnesium Chloride _____
25. Diboron Tetrahydride _____
26. Zinc Iodide _____
27. Nitrogen Monoxide _____

Identify the bond forces at work in the following compounds:

28. Ammonia (NH₃)

29. Oxygen (O₂)

30. H₂O

31. H₂O₂