

Practice Problems

Naming and Formula Writing

Write the chemical formula or the name for the following compounds.

Name/Formula	Bond (C/I)	Formula/Name
1. potassium iodide	_____	_____
2. barium chloride	_____	_____
3. lithium bromide	_____	_____
4. sodium bicarbonate	_____	_____
5. iron (III) sulfate	_____	_____
6. KOH	_____	_____
7. LiI	_____	_____
8. AlF_3	_____	_____
9. FeCl_3	_____	_____
10. MgO	_____	_____
11. copper (II) iodide	_____	_____
12. strontium chloride	_____	_____
13. calcium carbonate	_____	_____
14. sodium acetate	_____	_____
15. ammonium phosphide	_____	_____
16. phosphorus trioxide	_____	_____
17. dihydrogen monosulfide	_____	_____
18. carbon tetraiodide	_____	_____
19. sulfur dioxide	_____	_____
20. dinitrogen pentaoxide	_____	_____
21. $\text{Co}(\text{NO}_2)_2$	_____	_____

Name/Formula	Bond (C/I)	Formula/Name
22. MgSO_4	_____	_____
23. NH_4Cl	_____	_____
24. $\text{Cu}(\text{NO}_3)_2$	_____	_____
25. $\text{Ba}(\text{OH})_2$	_____	_____
26. NO_2	_____	_____
27. PCl_3	_____	_____
28. NF_3	_____	_____
29. N_2O	_____	_____
30. SO_3	_____	_____
31. N_2O_5	_____	_____
32. silver oxide	_____	_____
33. zinc chloride	_____	_____
34. magnesium phosphate	_____	_____
35. $\text{Zn}(\text{C}_2\text{H}_3\text{O}_2)_2$	_____	_____
36. Na_3N	_____	_____
37. Cu_2CO_3	_____	_____
38. $(\text{NH}_4)_2\text{SO}_4$	_____	_____
39. sodium chloride	_____	_____
40. silver bromide	_____	_____
41. BCl_3	_____	_____
42. S_4N_4	_____	_____
43. NH_3	_____	_____
44. LiOH	_____	_____

Name/Formula	Bond (C/I)	Formula/Name
45. CaF_2	_____	_____
46. $\text{Ba}(\text{OH})_2$	_____	_____
47. FeCO_3	_____	_____
48. N_2H_4	_____	_____
49. XeO_3	_____	_____
50. IF_5	_____	_____
51. P_2O_5	_____	_____
52. Ag_2Se	_____	_____
53. $\text{Fe}_2(\text{SO}_4)_3$	_____	_____
54. NH_4ClO_4	_____	_____
55. xenon hexafluoride	_____	_____
56. nitrogen trifluoride	_____	_____
57. silicon tetraiodide	_____	_____
58. potassium permanganate	_____	_____
59. ammonium chloride	_____	_____
60. calcium nitrate	_____	_____
61. diselenium diiodide	_____	_____
62. dinitrogen monoxide	_____	_____
63. lithium nitride	_____	_____
64. copper (I) sulfate	_____	_____
65. barium chromate	_____	_____
66. ammonium phosphate	_____	_____
67. potassium dichromate	_____	_____
68. tin (II) phosphate	_____	_____

Name/Formula	Bond (C/I)	Formula/Name
69. gold (I) sulfide	_____	_____
70. aluminum oxide	_____	_____
71. chromium (III) sulfate	_____	_____
72. lithium nitrate	_____	_____
73. lead (II) iodide	_____	_____
74. strontium chlorate	_____	_____
75. copper (I) selenide	_____	_____
76. manganese (II) periodate	_____	_____