

Homework. Name each compound. (These are a mixed selection of the five types above)

1. silver sulfide Ag_2S
2. aluminum oxide Al_2O_3
3. sulfur dioxide SO_2
4. iron(II) hydroxide $\text{Fe}(\text{OH})_2$
5. chromium(III) chloride CrCl_3
6. calcium fluoride CaF_2
7. phosphorous pentachloride PCl_5
8. xenon tetrafluoride XeF_4
9. ammonium sulfate $(\text{NH}_4)_2\text{SO}_4$
10. mercury(II) nitrate $\text{Hg}_2(\text{NO}_3)_2$
11. nickel(III) bromide NiBr_3
12. sulfur hexafluoride SF_6
13. copper(I) chloride CuCl
14. sodium acetate $\text{NaC}_2\text{H}_3\text{O}_2$
15. arsenic triiodide AsI_3
16. oxygen difluoride OF_2
17. mercury(II) sulfate HgSO_4
18. carbonic acid H_2CO_3
19. iron(II) phosphate $\text{Fe}_3(\text{PO}_4)_2$
20. potassium chromate K_2CrO_4
21. hydrosulfuric acid H_2S
22. dinitrogen monoxide N_2O
23. copper(I) chlorate CuClO_3
24. zinc hydroxide $\text{Zn}(\text{OH})_2$
25. silver acetate $\text{AgC}_2\text{H}_3\text{O}_2$
26. titanium(IV) chloride TiCl_4
27. Barium sulfide BaS
28. lead(IV) phosphate $\text{Pb}_3(\text{PO}_4)_4$
54. cesium perchlorate CsClO_4
55. xenon tetrachloride XeCl_4
56. iron(III) nitrate $\text{Fe}(\text{NO}_3)_3$
57. iron(III) nitrite $\text{Fe}(\text{NO}_2)_3$
58. iron(III) nitride FeN
59. ammonium hydroxide NH_4OH
60. manganese(II) hydroxide $\text{Mn}(\text{OH})_2$
61. potassium hypochlorite KClO
62. potassium chlorite KClO_2
63. potassium chlorate KClO_3
64. potassium perchlorate KClO_4
65. chlorine Cl_2
29. perchloric acid HClO_4
30. titanium(IV) cyanide $\text{Ti}(\text{CN})_4$
31. phosphorous trichloride PCl_3
32. cobalt(II) nitrate $\text{Co}(\text{NO}_3)_2$
33. aluminum perchlorate $\text{Al}(\text{ClO}_4)_3$
34. silver nitrate AgNO_3
35. gold(III) sulfide Au_2S_3
36. ammonium carbonate $(\text{NH}_4)_2\text{CO}_3$
37. sodium hydroxide NaOH
38. uranium hexafluoride UF_6
39. magnesium iodide MgI_2
40. cesium nitrate CsNO_3
41. dinitrogen pentoxide N_2O_5
42. copper(II) sulfate CuSO_4
43. selenic acid H_2SeO_4
44. tetraphosphorus hexoxide P_4O_6
45. manganese(II) peroxide MnO_2
46. nickel(II) phosphate $\text{Ni}_3(\text{PO}_4)_2$
47. sodium sulfite Na_2SO_3
48. copper(II) cyanide $\text{Cu}(\text{CN})_2$
49. lead(II) carbonate PbCO_3
50. oxygen difluoride OF_2
51. sodium chloride NaCl
52. oxalic acid $\text{H}_2\text{C}_2\text{O}_4$
53. potassium hypophosphite KH_2PO_4
54. nitrous acid HNO_2
54. tellurium dichloride TeCl_2
55. arsenous acid H_3AsO_3
66. copper(II) phosphate $\text{Cu}_3(\text{PO}_4)_2$
67. diphosphorus pentoxide P_2O_5
68. lead(IV) permanganate $\text{Pb}(\text{MnO}_4)_4$
69. tin(II) chromate SnCrO_4
70. gold(III) chloride AuCl_3
71. lead(II) chromate PbCrO_4
72. sodium sulfide Na_2S
73. magnesium carbonate MgCO_3
74. uranium(VI) sulfate $\text{U}(\text{SO}_4)_3$
75. sulfur trioxide SO_3
76. sodium cyanide NaCN
77. sodium peroxide Na_2O_2