

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

1. silver sulfide  $\text{Ag}_2\text{S}$
2. aluminum oxide  $\text{Al}_2\text{O}_3$
3. sulfur dioxide  $\text{SO}_2$
4. iron (II) hydroxide  $\text{Fe}(\text{OH})_2$
5. chromium (III) chloride  $\text{CrCl}_3$
6. calcium fluoride  $\text{CaF}_2$
7. phosphorous pentachloride  $\text{PCl}_5$
8. xenon tetrafluoride  $\text{XeF}_4$
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  $\text{NiBr}_3$
12. sulfur hexafluoride  $\text{SF}_6$
13. copper (I) chloride  $\text{CuCl}$
14. sodium acetate  $\text{NaC}_2\text{H}_3\text{O}_2$
15. arsenic triiodide  $\text{AsI}_3$
16. oxygen difluoride  $\text{OF}_2$
17. mercury (II) sulfate  $\text{HgSO}_4$
18. carbonic acid  $\text{H}_2\text{CO}_3$
19. iron (II) phosphate  $\text{Fe}_3(\text{PO}_4)_2$
20. potassium chromate  $\text{K}_2\text{CrO}_4$
21. hydro sulfuric acid  $\text{H}_2\text{S}$
22. dinitrogen monoxide  $\text{N}_2\text{O}$
23. copper (I) chlorate  $\text{CuClO}_3$
24. zinc hydroxide  $\text{Zn}(\text{OH})_2$
25. silver acetate  $\text{AgC}_2\text{H}_3\text{O}_2$
26. titanium (IV) chloride  $\text{TiCl}_4$
27. Barium sulfide  $\text{BaS}$
28. lead (IV) phosphate  $\text{Pb}_3(\text{PO}_4)_4$
29. cesium perchlorate  $\text{CsClO}_4$
30. xenon tetrachloride  $\text{XeCl}_4$
31. iron (III) nitrate  $\text{Fe}(\text{NO}_3)_3$
32. iron (III) nitrite  $\text{Fe}(\text{NO}_2)_3$
33. iron (III) nitride  $\text{Fe}_3\text{N}_2$
34. ammonium hydroxide  $\text{NH}_4\text{OH}$
35. manganese (II) hydroxide  $\text{Mn}(\text{OH})_2$
36. potassium hypochlorite  $\text{KClO}$
37. potassium chlorite  $\text{KClO}_2$
38. potassium chlorate  $\text{KClO}_3$
39. potassium perchlorate  $\text{KClO}_4$
40. chlorine  $\text{Cl}_2$
41. perchloric acid  $\text{HClO}_4$
42. titanium (IV) cyanide  $\text{Ti}(\text{CN})_4$
43. phosphorous trichloride  $\text{PCl}_3$
44. cobalt (II) nitrate  $\text{Co}(\text{NO}_3)_2$
45. aluminum perchlorate  $\text{Al}(\text{ClO}_4)_3$
46. silver nitrate  $\text{AgNO}_3$
47. gold (III) sulfide  $\text{Au}_2\text{S}_3$
48. ammonium carbonate  $(\text{NH}_4)_2\text{CO}_3$
49. sodium hydroxide  $\text{NaOH}$
50. uranium (VI) hexafluoride  $\text{UF}_6$
51. magnesium iodide  $\text{MgI}_2$
52. cesium nitrate  $\text{CsNO}_3$
53. dinitrogen pentoxide  $\text{N}_2\text{O}_5$
54. copper (II) sulfate  $\text{CuSO}_4$
55. selenic acid  $\text{H}_2\text{SeO}_4$
56. tetraphosphorus hexoxide  $\text{P}_4\text{O}_6$
57. manganese (II) peroxide  $\text{MnO}_2$
58. nickel (II) phosphate  $\text{Ni}_3(\text{PO}_4)_2$
59. sodium sulfite  $\text{Na}_2\text{SO}_3$
60. copper (II) cyanide  $\text{Cu}(\text{CN})_2$
61. lead (II) carbonate  $\text{PbCO}_3$
62. oxygen difluoride  $\text{OF}_2$
63. sodium chloride  $\text{NaCl}$
64. oxalic acid  $\text{H}_2\text{C}_2\text{O}_4$
65. potassium hypophosphite  $\text{KH}_2\text{PO}_4$
66. nitrous acid  $\text{HNO}_2$
67. tellurium dichloride  $\text{TeCl}_2$
68. arsenous acid  $\text{H}_3\text{AsO}_3$
69. copper (II) phosphate  $\text{Cu}_3(\text{PO}_4)_2$
70. diphosphorus pentoxide  $\text{P}_2\text{O}_5$
71. lead (IV) permanganate  $\text{Pb}(\text{MnO}_4)_4$
72. tin (II) chromate  $\text{SnCrO}_4$
73. gold (III) chloride  $\text{AuCl}_3$
74. lead (II) chromate  $\text{PbCrO}_4$
75. sodium sulfide  $\text{Na}_2\text{S}$
76. magnesium carbonate  $\text{MgCO}_3$
77. uranium (VI) sulfate  $\text{U}(\text{SO}_4)_3$
78. sulfur trioxide  $\text{SO}_3$
79. sodium cyanide  $\text{NaCN}$
80. sodium peroxide  $\text{Na}_2\text{O}_2$