

Inorganic Nomenclature Worksheet

1. ammonium sulfide
2. sodium nitrate
3. cupric bromide
4. aluminum sulfate
5. potassium nitrate
6. ferrous carbonate
7. lead(II) phosphate
8. diphosphorus pentoxide
9. cupric hydroxide
10. calcium fluoride
11. nickel nitrate
12. silver cyanide
13. ammonium sulfite
14. zinc sulfate
15. tin(II) chloride
16. antimony(III) chloride
17. silver sulfide
18. magnesium hydroxide
19. ammonium carbonate
20. nickel acetate
21. sodium chromate
22. chromic bisulfate
23. potassium permanganate
24. silver perchlorate
25. potassium phosphate
26. nickel iodide
27. mercurous oxide
28. lead(II) chlorite
29. hydrogen iodide
30. iron(II) bisulfite
31. magnesium nitrate
32. iron(III) chromate
33. iron(II) chromate
34. copper(II) hydroxide
35. cuprous carbonate
36. chromic acetate
37. calcium chlorate
38. ammonium oxide
39. aluminum perchlorate
40. zinc bicarbonate
41. sodium phosphate
42. silver hypochlorite
43. ammonium phosphate
44. ferrous chlorite
45. potassium sulfide
46. tin(IV) bromide
47. lithium chromate
48. magnesium bisulfate
49. ferrous phosphate
50. calcium sulfate dihydrate
51. aluminum acetate
52. calcium chloride dihydrate
53. barium chromate
54. cobaltic chloride
55. barium chloride dihydrate
56. sulfurous acid
57. potassium hydroxide
58. zinc bisulfite
59. sodium sulfite
60. cobaltous sulfate
61. ferric oxide
62. silver phosphate
63. sodium hypochlorite
64. ammonium chromate
65. barium carbonate
66. calcium iodide
67. cupric sulfate
68. cuprous chloride
69. ferric carbonate
70. zinc phosphate
71. sodium nitrite
72. silver oxide
73. nickel bromide
74. magnesium oxide
75. mercuric perchlorate
76. lithium hypochlorite
77. oxygen difluoride
78. cobalt(II) hydrogen sulfate
79. acetic acid (see #128)
80. barium hypochlorite
81. ammonium hydroxide
82. cobalt(II) iodide
83. chromium(II) bicarbonate
84. sodium hydroxide
85. silver nitrate
86. mercury(II) nitrate
87. hydrochloric acid
88. aluminum bisulfite
89. cobalt(III) hydrogen sulfate
90. ferric hydrogen carbonate
91. phosphorus pentabromide
92. nickel chloride hexahydrate
93. ammonium aluminum sulfate
94. iron(III) hydrogen carbonate
95. mercury(I) hydrogen phosphate
96. plumbic hydrogen carbonate
97. mercuric hydrogen carbonate
98. mercurous hydrogen phosphate
99. copper(II) sulfate pentahydrate
100. chromic dihydrogen phosphate
101. sodium acetate
102. zinc sulfite
103. silver bicarbonate
104. potassium iodide
105. lead(IV) chlorite
106. mercurous chromate
107. lead(II) nitrite
108. potassium dichromate
109. magnesium carbonate
110. calcium bicarbonate
111. aluminum hydroxide
112. cobaltous oxide
113. ferric permanganate
114. ammonium chromate
115. nitrogen triiodide
116. sulfur trioxide
117. ammonium dichromate
118. iron(III) bicarbonate
119. ammonium perchlorate
120. cobaltic acetate
121. cobaltous hydroxide
122. iron(II) chromate
123. ferric bromide
124. zinc sulfate
125. boron phosphide
126. ferric bicarbonate
127. cupric bisulfate
128. acetic acid (diff. from 79)
129. barium bisulfite
130. nitric acid
131. calcium sulfide
132. copper(I) bisulfate
133. zinc permanganate
134. ferric carbonate
135. hydrobromic acid
136. hydrocyanic acid
137. hydrogen cyanide
138. sulfuric acid
139. copper(I) sulfate
140. chromium(III) oxide
141. aluminum oxide
142. cobaltous bisulfate
143. barium carbonate
144. mercuric chloride
145. ferrous chromate
146. cupric hydroxide
147. perchloric acid
148. ferric phosphate
149. lead(II) oxide
150. cobaltic chlorate

If a formula can be named more than one correct way, then give all. For example, $\text{Fe}(\text{HCO}_3)_3$ can be named four different ways. They are iron(III) bicarbonate, iron(III) hydrogen carbonate, ferric bicarbonate, and ferric hydrogen carbonate. The second way would be best.

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|--|--|--|------------------------------|--|---|
| 151. HgF_2 | 191. KF | 231. N_2O_5 | 271. NaOH | 290. XeF_4 | 328. $\text{Be}(\text{ClO}_4)_2$ |
| 152. KCl | 192. CaSO_4 | 232. SnCrO_4 | 272. NI_3 | 291. $\text{Hg}(\text{OH})_2$ | 329. $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$ |
| 153. KMnO_4 | 193. HCl | 233. Al_2O_3 | 273. ClF_3 | 292. CaH_2 | 330. $\text{Ba}(\text{BrO}_3)_2$ |
| 154. KClO_4 | 194. SbCl_3 | 234. CuCO_3 | 274. P_3N_5 | 293. As_4O_6 | 331. AuCl_3 |
| 155. ZnO | 195. As_4O_{10} | 235. ClO_2 | 275. UF_6 | 294. BN | 332. Al_2S_3 |
| 156. $\text{Ba}(\text{OH})_2$ | 196. NH_4Cl | 236. CuS | 276. NBr_3 | 295. CoS | 333. Na_2HPO_4 |
| 157. NH_4MnO_4 | 197. NH_4NO_3 | 237. MgI_2 | 277. Cl_2O_3 | 296. N_2O_4 | 334. $\text{Mg}_3(\text{PO}_4)_2$ |
| 158. CaCO_3 | 198. IF_5 | 238. CoCl_3 | 278. CsF | 297. H_3BO_3 | 335. CuSO_3 |
| 159. $\text{Ba}_3(\text{PO}_4)_2$ | 199. NaHCO_3 | 239. NaCN | 279. CO | 298. I_2O_5 | 336. $\text{KAl}(\text{C}_2\text{O}_4)_2$ |
| 160. Fe_2O_3 | 200. $\text{Ba}(\text{OH})_2$ | 240. Hg_3N_2 | 280. Cu_2S | 299. PbO | 337. $\text{Cr}_2(\text{SO}_3)_3$ |
| 161. CoF_3 | 201. FeCl_3 | 241. BrO_3 | 281. KHCO_3 | 300. NaBr | 338. HClO |
| 162. H_2CO_3 | 202. HF | 242. SiF_4 | 282. SbCl_5 | 301. Li_2CrO_4 | 339. HClO_2 |
| 163. K_2SO_4 | 203. PbSO_4 | 243. Sb_2O_5 | 283. CO_2 | 302. ICl | 340. HClO_3 |
| 164. NaHSO_4 | 204. KrF_2 | 244. LiH | 284. HgO | 303. SO_3 | 341. HClO_4 |
| 165. PF_5 | 205. NaCl | 245. SF_6 | 285. PCl_3 | 304. Hg_2O | 342. $\text{Mn}(\text{IO}_3)_2$ |
| 166. Ag_2O | 206. P_2O_5 | 246. SnI_4 | 286. PBr_5 | 305. NaH | 343. KBrO_3 |
| 167. $\text{Pb}(\text{ClO}_2)_2$ | 207. AlBr_3 | 247. KOH | 287. IF_7 | 306. OsO_4 | 344. $\text{Fe}(\text{ClO}_4)_3$ |
| 168. Cu_2CrO_4 | 208. $\text{Ba}(\text{NO}_3)_2$ | 248. K_2O | 288. Cl_2O | 307. XeF_2 | 345. $\text{Cr}(\text{OH})_3$ |
| 169. $\text{Ca}(\text{ClO}_4)_2$ | 209. BrF_5 | 249. H_2SO_4 | 289. CCl_4 | 308. $\text{Ca}(\text{C}_2\text{H}_3\text{O}_2)_2$ | |
| 170. $\text{HC}_2\text{H}_3\text{O}_2$ | 210. P_4O_6 | 250. lithium oxide | | 309. $\text{NaC}_2\text{H}_3\text{O}_2$ | |
| 171. LiI | 211. FePO_4 | 251. xenon trioxide | | 310. $\text{Al}(\text{OH})_3$ | |
| 172. $\text{Al}_2(\text{SO}_4)_3$ | 212. Hg_2SO_4 | 252. gold(I) chloride | | 311. Li_2HPO_4 | |
| 173. HBr | 213. KH | 253. gold(I) cyanide | | 312. $\text{Ca}(\text{NO}_3)_2$ | |
| 174. $\text{Hg}_2(\text{ClO})_2$ | 214. $\text{Co}_2(\text{SO}_3)_3$ | 254. sodium oxide | | 313. $\text{Ni}(\text{ClO}_4)_2$ | |
| 175. CrCl_3 | 215. N_2O_3 | 255. potassium chlorate | | 314. $\text{Mn}(\text{NO}_3)_2$ | |
| 176. H_3PO_4 | 216. N_2O | 256. mercurous nitrite | | 315. $\text{Au}(\text{H}_2\text{PO}_4)_3$ | |
| 177. LiMnO_4 | 217. $\text{Fe}(\text{NO}_2)_3$ | 257. nickel(II) fluoride | | 316. $\text{Al}(\text{C}_2\text{H}_3\text{O}_2)_3$ | |
| 178. $\text{Fe}_2(\text{HPO}_4)_3$ | 218. $\text{Sn}_3(\text{PO}_4)_2$ | 258. potassium cyanide | | 317. $\text{KAl}(\text{SO}_4)_2$ | |
| 179. Na_2CO_3 | 219. H_2O_2 | 259. manganese dioxide | | 318. $\text{Al}(\text{MnO}_4)_3$ | |
| 180. $\text{Mg}(\text{HCO}_3)_2$ | 220. $\text{Be}(\text{OH})_2$ | 260. osmium tetrachloride | | 319. $(\text{NH}_4)_3\text{PO}_4$ | |
| 181. $\text{Sn}_3(\text{PO}_4)_4$ | 221. $\text{Sr}(\text{HCO}_3)_2$ | 261. rubidium carbonate | | 320. $\text{CoSO}_4 \cdot 6 \text{H}_2\text{O}$ | |
| 182. HNO_3 | 222. $\text{Sr}(\text{OH})_2$ | 262. trisulfur dinitride | | 321. $\text{MgCl}_2 \cdot 6 \text{H}_2\text{O}$ | |
| 183. ZnCl_2 | 223. P_4S_{10} | 263. nitrogen trichloride | | 322. $\text{CuSO}_4 \cdot 5 \text{H}_2\text{O}$ | |
| 184. NaH_2PO_4 | 224. Hg_2O_2 | 264. vanadium(V) oxide | | 323. $\text{NaHS} \cdot \text{H}_2\text{O}$ | |
| 185. Hg_2Cl_2 | 225. $\text{Hg}_2(\text{OH})_2$ | 265. selenium tetrafluoride | | 324. $\text{MgSO}_4 \cdot 9 \text{H}_2\text{O}$ | |
| 186. $\text{Fe}(\text{NO}_2)_2$ | 226. NH_4F | 266. stannous hypochlorite | | 325. $\text{NaH}_2\text{PO}_4 \cdot 9 \text{H}_2\text{O}$ | |
| 187. CuNH_4PO_4 | 227. XeF_6 | 267. tellurium hexafluoride | | 326. $\text{Na}_2\text{CrO}_4 \cdot 4 \text{H}_2\text{O}$ | |
| 188. NaMgPO_4 | 228. $\text{K}_2\text{Cr}_2\text{O}_7$ | 268. lanthanum(III) phosphate | | 327. $\text{Pb}(\text{CH}_3\text{COO})_2 \cdot 3 \text{H}_2\text{O}$ | |
| 189. $\text{Sn}(\text{HCO}_3)_4$ | 229. NH_4OH | 269. sodium hydrogen sulfate monohydrate | | | |
| 190. NaMnO_4 | 230. $(\text{NH}_4)_3\text{PO}_4$ | 270. chromium(III) hydrogen phosphate | | | |