

Inorganic Nomenclature Worksheet

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