

# Calculating Molar Mass

(Honors Chemistry)

<b>Chemical Name</b>	<b>Chemical Formula</b>	<b>Atom, Molecule, or Formula Unit</b>	<b>Molar Mass (g)</b>
1. Lead (IV) sulfite	<b>Pb(SO<sub>3</sub>)<sub>2</sub></b>	<b>F</b>	<b>367</b>
2. Dinitrogen pentoxide	<b>N<sub>2</sub>O<sub>5</sub></b>	<b>M</b>	<b>108</b>
3. Copper (II) chlorate	<b>Cu(ClO<sub>3</sub>)<sub>2</sub></b>	<b>F</b>	<b>231</b>
4. Cobalt (II) nitrite	<b>Co(NO<sub>2</sub>)<sub>2</sub></b>	<b>F</b>	<b>151</b>
5. Hydrogen gas	<b>H<sub>2</sub></b>	<b>M</b>	<b>2</b>
6. Hydrochloric Acid	<b>HCl</b>	<b>M</b>	<b>36.5</b>
7. Iron (II) sulfate	<b>FeSO<sub>4</sub></b>	<b>F</b>	<b>248</b>
8. Gold	<b>Au</b>	<b>A</b>	<b>197</b>
9. Tin (II) phosphite	<b>Sn<sub>3</sub>(PO<sub>3</sub>)<sub>2</sub></b>	<b>F</b>	<b>515</b>
10. Water	<b>H<sub>2</sub>O</b>	<b>M</b>	<b>18</b>
11. Cobalt (III) oxalate	<b>Co<sub>2</sub>(C<sub>2</sub>O<sub>4</sub>)<sub>3</sub></b>	<b>F</b>	<b>323</b>
12. Carbon tetrafluoride	<b>CF<sub>4</sub></b>	<b>M</b>	<b>111</b>
13. Zinc cyanide	<b>Zn(CN)<sub>2</sub></b>	<b>F</b>	<b>16</b>
14. Mercuric nitride	<b>Hg<sub>3</sub>N<sub>2</sub></b>	<b>F</b>	<b>631</b>
15. Strontium perchlorate	<b>Sr(ClO<sub>4</sub>)<sub>2</sub></b>	<b>F</b>	<b>342</b>
16. Potassium dichromate	<b>K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub></b>	<b>F</b>	<b>294</b>
17. Iodine	<b>I<sub>2</sub></b>	<b>M</b>	<b>254</b>

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18. Silver chloride	<b>AgCl</b>	<b>F</b>	<b>143.5</b>
19. Phosphorus pentachloride	<b>PCl<sub>5</sub></b>	<b>M</b>	<b>17</b>
20. Lead	<b>Pb</b>	<b>A</b>	<b>207</b>
21. Acetic acid	<b>HC<sub>2</sub>H<sub>3</sub>O<sub>2</sub></b>	<b>F</b>	<b>91</b>
22. Nickel (III) chromate	<b>Ni<sub>2</sub>(CrO<sub>4</sub>)<sub>3</sub></b>	<b>F</b>	<b>348</b>
23. Dicarbon hexahydride	<b>C<sub>2</sub>H<sub>6</sub></b>	<b>M</b>	<b>30</b>
24. Rubidium permanganate	<b>RbMnO<sub>4</sub></b>	<b>F</b>	<b>204</b>
25. Ammonium nitrate	<b>NH<sub>4</sub>NO<sub>3</sub></b>	<b>F</b>	<b>80</b>
26. Magnesium hydroxide	<b>Mg(OH)<sub>2</sub></b>	<b>F</b>	<b>58</b>
27. Iron (II) carbonate	<b>FeCO<sub>3</sub></b>	<b>F</b>	<b>116</b>
28. Bromine	<b>Br<sub>2</sub></b>	<b>M</b>	<b>160</b>
29. Potassium dihydrogen phosphate	<b>KH<sub>2</sub>PO<sub>4</sub></b>	<b>F</b>	<b>136</b>
30. Carbon dioxide	<b>CO<sub>2</sub></b>	<b>M</b>	<b>44</b>
31. Hydrosulfuric acid	<b>H<sub>2</sub>S</b>	<b>M</b>	<b>34</b>
32. Sulfur dioxide	<b>SO<sub>2</sub></b>	<b>M</b>	<b>64</b>
33. Sodium hydrogen carbonate	<b>NaHCO<sub>3</sub></b>	<b>F</b>	<b>84</b>
34. Chromium (III) sulfide	<b>Cr<sub>2</sub>S<sub>3</sub></b>	<b>F</b>	<b>200</b>
35. Sulfuric Acid	<b>H<sub>2</sub>SO<sub>4</sub></b>	<b>F</b>	<b>98</b>
36. Nitrogen trihydride	<b>NH<sub>3</sub></b>	<b>M</b>	<b>17</b>
37. Gold (III) hypochlorite	<b>Au(ClO)<sub>3</sub></b>	<b>F</b>	<b>351.5</b>