<table>
<thead>
<tr>
<th>Practice Problems for Naming Inorganic Compounds</th>
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<tbody>
<tr>
<td>Write the name (1-25) or formula (26-50) for each of the following inorganic compounds:</td>
</tr>
<tr>
<td>1. Pb(ClO₂)₂</td>
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<tr>
<td>2. S₂F₁₀</td>
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<tr>
<td>3. Co₂O₃</td>
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<tr>
<td>4. Al(ClO₄)₃</td>
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<tr>
<td>5. Na₂CrO₄</td>
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<tr>
<td>6. HC₂H₃O₂(aq)</td>
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<tr>
<td>7. CaF₂</td>
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<tr>
<td>8. NiCr₂O₇</td>
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<tr>
<td>9. HI(aq)</td>
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<tr>
<td>10. SnCl₄</td>
</tr>
<tr>
<td>11. P₂O₅</td>
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<tr>
<td>12. NaNO₃</td>
</tr>
<tr>
<td>13. AuI₃</td>
</tr>
<tr>
<td>14. Zn(HCO₃)₂</td>
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<tr>
<td>15. KMnO₄</td>
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<tr>
<td>16. NBr₃</td>
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<td>17. KOH</td>
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<tr>
<td>18. Fe₃N₂</td>
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<tr>
<td>19. Hg₃(PO₄)₂</td>
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<tr>
<td>20. HNO₂(aq)</td>
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<tr>
<td>21. (NH₄)₂SO₃</td>
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<tr>
<td>22. MgS</td>
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<tr>
<td>23. AlPO₄</td>
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<tr>
<td>24. Ca(C₂H₃O₂)₂</td>
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<tr>
<td>25. AgCN</td>
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Write correct formulas of the compounds formed when the positive ions in the vertical column combine with
the negative ions listed across the top row. The first two are done for you.

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<th></th>
<th>carbonate</th>
<th>hydroxide</th>
<th>nitrate</th>
<th>oxide</th>
<th>phosphate</th>
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</table>
1. Pb(ClO₂)₂ lead(II) chlorite 26. barium carbonate BaCO₃
2. S₂F₁₀ disulfur decafluoride 27. zinc bromide ZnBr₂
3. Co₂O₃ cobalt(III) oxide 28. nickel(II) chloride NiCl₂
4. Al(ClO₄)₃ aluminum perchlorate 29. chromic acid H₃CrO₄(aq)
5. Na₂CrO₄ sodium chromate 30. disilicon hexafluoride Si₂F₆
6. HC₂H₃O₂(aq) acetic acid 31. lithium fluoride LiF
7. CaF₂ calcium fluoride 32. carbonic acid H₂CO₃(aq)
8. NiCr₂O₇ nickel(II) dichromate 33. strontium(II) sulfate SrSO₄
9. HI(aq) hydroiodic acid 34. mercury(I) sulfide Hg₂S
10. SnCl₄ tin(IV) chloride 35. diiodine pentoxide I₂O₅
11. P₂O₅ diphosphorus pentaoxide 36. tin(II) acetate Sn(C₂H₃O₂)₂
12. NaNO₃ sodium nitrate 37. cobalt(II) chlorite Co(ClO₂)₂
13. AuI₃ gold(III) iodide 38. silver hypochlorite AgClO
14. Zn(HCO₃)₂ zinc hydrogen carbonate 39. sodium phosphate Na₃PO₄
15. KMnO₄ potassium permanganate 40. ammonium hydrogen sulfate NH₄HSO₄
16. NBr₃ nitrogen tribromide 41. iron(II) sulfate FeSO₄
17. KOH potassium hydroxide 42. magnesium nitrite Mg(NO₂)₂
18. Fe₃N₂ iron(II) nitride 43. copper(II) hydroxide Cu(OH)₂
19. Hg₃(PO₄)₂ mercury(II) phosphate 44. hypochlorous acid HClO(aq)
20. HNO₂(aq) nitrous acid 45. lithium chromate Li₂CrO₄
21. (NH₄)₂SO₃ ammonium sulfite 46. tetraphosphorus heptasulfide P₄S₇
22. MgS magnesium sulfide 47. potassium nitrate KNO₃
23. AlPO₄ aluminum phosphate 48. silver perchlorate AgClO₄
24. Ca(C₂H₃O₂)₂ calcium acetate 49. ammonium oxide (NH₄)₂O
25. AgCN silver cyanide 50. iron(III) chlorate Fe(ClO₃)₃
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<th>Hydroxide</th>
<th>Nitrate</th>
<th>Oxide</th>
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