

## Compound Naming Race

Be the first team in the room to correctly get all the names on this sheet right. When you have finished the first ten problems, bring them up to the teacher to be checked. Once these have been checked, move to the second ten. Once all forty problems have been solved, you're the winner!

- 1) copper (II) acetate \_\_\_\_\_
- 2) sodium hydroxide \_\_\_\_\_
- 3) lithium oxide \_\_\_\_\_
- 4) cobalt (III) carbonate \_\_\_\_\_
- 5) aluminum sulfide \_\_\_\_\_
- 6) ammonium cyanide \_\_\_\_\_
- 7) iron (III) phosphide \_\_\_\_\_
- 8) vanadium (V) phosphate \_\_\_\_\_
- 9) sodium permanganate \_\_\_\_\_
- 10) manganese (III) fluoride \_\_\_\_\_
  
- 11) beryllium nitrate \_\_\_\_\_
- 12) nickel (III) sulfite \_\_\_\_\_
- 13) potassium oxide \_\_\_\_\_
- 14) silver bromide \_\_\_\_\_
- 15) zinc phosphate \_\_\_\_\_
- 16) copper (II) bicarbonate \_\_\_\_\_
- 17) nickel (II) selenide \_\_\_\_\_
- 18) manganese (IV) carbonate \_\_\_\_\_
- 19) lead (IV) nitride \_\_\_\_\_
- 20) tin (II) hydroxide \_\_\_\_\_

- 21) lithium arsenide \_\_\_\_\_
- 22) chromium (VI) sulfate \_\_\_\_\_
- 23) calcium bromide \_\_\_\_\_
- 24) ammonium sulfate \_\_\_\_\_
- 25) copper (II) oxide \_\_\_\_\_
- 26) platinum (IV) phosphate \_\_\_\_\_
- 27) aluminum carbonate \_\_\_\_\_
- 28) silver nitrate \_\_\_\_\_
- 29) magnesium acetate \_\_\_\_\_
- 30) nickel (III) cyanide \_\_\_\_\_
  
- 31) vanadium (IV) phosphate \_\_\_\_\_
- 32) silver sulfate \_\_\_\_\_
- 33) cobalt (III) sulfide \_\_\_\_\_
- 34) iron (II) sulfite \_\_\_\_\_
- 35) copper (II) nitrite \_\_\_\_\_
- 36) nickel (II) hydroxide \_\_\_\_\_
- 37) zinc nitride \_\_\_\_\_
- 38) manganese (VII) nitrate \_\_\_\_\_
- 39) gallium sulfate \_\_\_\_\_
- 40) sodium nitrate \_\_\_\_\_

## Compound Naming Race - Solutions

Be the first team in the room to correctly get all the names on this sheet right. When you have finished the first ten problems, bring them up to the teacher to be checked. Once these have been checked, move to the second ten. Once all forty problems have been solved, you're the winner!

- |     |                          |  |
|-----|--------------------------|--|
| 1)  | copper (II) acetate      | <b><math>\text{Cu}(\text{CH}_3\text{COO})_2</math></b> |
| 2)  | sodium hydroxide         | <b><math>\text{NaOH}</math></b>                        |
| 3)  | lithium oxide            | <b><math>\text{Li}_2\text{O}</math></b>                |
| 4)  | cobalt (III) carbonate   | <b><math>\text{Co}_2(\text{CO}_3)_3</math></b>         |
| 5)  | aluminum sulfide         | <b><math>\text{Al}_2\text{S}_3</math></b>              |
| 6)  | ammonium cyanide         | <b><math>\text{NH}_4\text{CN}</math></b>               |
| 7)  | iron (III) phosphide     | <b><math>\text{FeP}</math></b>                         |
| 8)  | vanadium (V) phosphate   | <b><math>\text{V}_3(\text{PO}_4)_5</math></b>          |
| 9)  | sodium permanganate      | <b><math>\text{NaMnO}_4</math></b>                     |
| 10) | manganese (III) fluoride | <b><math>\text{MnF}_3</math></b>                       |
|     |                          |  |
| 11) | beryllium nitrate        | <b><math>\text{Be}(\text{NO}_3)_2</math></b>           |
| 12) | nickel (III) sulfite     | <b><math>\text{Ni}_2(\text{SO}_3)_3</math></b>         |
| 13) | potassium oxide          | <b><math>\text{K}_2\text{O}</math></b>                 |
| 14) | silver bromide           | <b><math>\text{AgBr}</math></b>                        |
| 15) | zinc phosphate           | <b><math>\text{Zn}_3(\text{PO}_4)_2</math></b>         |
| 16) | copper (II) bicarbonate  | <b><math>\text{Cu}(\text{HCO}_3)_2</math></b>          |
| 17) | nickel (II) selenide     | <b><math>\text{NiSe}</math></b>                        |
| 18) | manganese (IV) carbonate | <b><math>\text{Mn}(\text{CO}_3)_2</math></b>           |
| 19) | lead (IV) nitride        | <b><math>\text{Pb}_3\text{N}_4</math></b>              |
| 20) | tin (II) hydroxide       | <b><math>\text{Sn}(\text{OH})_2</math></b>             |

21)	lithium arsenide	<b>Li<sub>3</sub>As</b>
22)	chromium (VI) sulfate	<b>Cr(SO<sub>4</sub>)<sub>3</sub></b>
23)	calcium bromide	<b>CaBr<sub>2</sub></b>
24)	ammonium sulfate	<b>(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub></b>
25)	copper (II) oxide	<b>CuO</b>
26)	platinum (IV) phosphate	<b>Pt<sub>3</sub>(PO<sub>4</sub>)<sub>4</sub></b>
27)	aluminum carbonate	<b>Al<sub>2</sub>(CO<sub>3</sub>)<sub>2</sub></b>
28)	silver nitrate	<b>AgNO<sub>3</sub></b>
29)	magnesium acetate	<b>Mg(CH<sub>3</sub>COO)<sub>2</sub></b>
30)	nickel (III) cyanide	<b>Ni(CN)<sub>3</sub></b>
31)	vanadium (IV) phosphate	<b>V<sub>3</sub>(PO<sub>4</sub>)<sub>4</sub></b>
32)	silver sulfate	<b>Ag<sub>2</sub>SO<sub>4</sub></b>
33)	cobalt (III) sulfide	<b>Co<sub>2</sub>S<sub>3</sub></b>
34)	iron (II) sulfite	<b>FeSO<sub>3</sub></b>
35)	copper (II) nitrite	<b>Cu(NO<sub>2</sub>)<sub>2</sub></b>
36)	nickel (II) hydroxide	<b>Ni(OH)<sub>2</sub></b>
37)	zinc nitride	<b>Zn<sub>3</sub>N<sub>2</sub></b>
38)	manganese (VII) nitrate	<b>Mn(NO<sub>3</sub>)<sub>7</sub></b>
39)	gallium sulfate	<b>Ga<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub></b>
40)	sodium nitrate	<b>NaNO<sub>3</sub></b>