

GHS HONORS CHEMISTRY  
CHEMICAL FORMULAE; MIXED REVIEW

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_ BLOCK: \_\_\_\_\_

**NAME THE FOLLOWING COMPOUNDS:**

- |                             |                                       |  |                                 |
|-----------------------------|---------------------------------------|--|---------------------------------|
| 1. $\text{Ca}(\text{OH})_2$ | 14. $\text{H}_2\text{SO}_4$           | 27. $\text{K}_2\text{CrO}_4$           | 40. $\text{ZnO}$                |
| 2. $\text{ZnS}$             | 15. $\text{HCl}$                      | 28. $\text{MgCl}_2$                    | 41. $\text{MnO}_2$              |
| 3. $\text{ZnSO}_4$          | 16. $\text{CuSO}_4$                   | 29. $\text{KBrO}_3$                    | 42. $\text{FeO}$                |
| 4. $\text{AgCl}$            | 17. $\text{KMnO}_4$                   | 30. $\text{NaCN}$                      | 43. $\text{P}_2\text{O}_5$      |
| 5. $\text{CuI}$             | 18. $\text{NH}_4\text{Cl}$            | 31. $\text{Sr}(\text{OH})_2$           | 44. $\text{SrCl}_2$             |
| 6. $\text{CuI}_2$           | 19. $\text{AlPO}_4$                   | 32. $\text{Na}_2\text{Cr}_2\text{O}_7$ | 45. $\text{Mg}_3\text{N}_2$     |
| 7. $\text{AlCl}_3$          | 20. $\text{HNO}_3$                    | 33. $\text{Al}_2\text{O}_3$            | 46. $\text{Cr}(\text{NO}_3)_2$  |
| 8. $\text{NO}$              | 21. $\text{HC}_2\text{H}_3\text{O}_2$ | 34. $\text{NaOH}$                      | 47. $\text{NaHCO}_3$            |
| 9. $\text{N}_3\text{O}_3$   | 22. $\text{H}_2\text{CO}_3$           | 35. $\text{N}_2\text{O}_5$             | 48. $\text{CS}_2$               |
| 10. $\text{NO}_2$           | 23. $\text{Cu}_2\text{SO}_4$          | 36. $\text{H}_3\text{BO}_3$            | 49. $\text{KCN}$                |
| 11. $\text{CO}$             | 24. $\text{Al}_4\text{C}_3$           | 37. $\text{Ca}(\text{OH})_2$           | 50. $\text{Ba}(\text{ClO}_3)_2$ |
| 12. $\text{CO}_2$           | 25. $\text{NaF}$                      | 38. $\text{Na}_2\text{SO}_3$           |                                 |
| 13. $\text{CaS}$            | 26. $\text{NaCl}$                     | 39. $\text{CuSO}_4$                    |                                 |

**WRITE THE FORMULAS FOR THE FOLLOWING COMPOUNDS**

- |                            |                            |
|----------------------------|----------------------------|
| 51. ammonium bromide       | 80. cadmium(III)cyanide    |
| 52. magnesium nitrate      | 81. lead(II)chromate       |
| 53. acetic acid            | 82. dinitrogen pentoxide   |
| 54. diphosphorus trioxide  | 83. ferrous chloride       |
| 55. lead(II)chloride       | 84. hydroiodic acid        |
| 56. potassium sulfide      | 85. potassium permanganate |
| 57. nitric acid            | 86. tin(II)sulfide         |
| 58. aluminum sulfate       | 87. copper(II)cyanide      |
| 59. strontium chlorate     | 88. ammonium bromide       |
| 60. sulfur trioxide        | 89. bismuth sulfate        |
| 61. tin(IV)fluoride        | 90. rubidium nitrate       |
| 62. barium hydroxide       | 91. calcium telluride      |
| 63. zinc(II)phosphate      | 92. mercury(II)iodide      |
| 64. cobalt(II)nitrate      | 93. potassium dichromate   |
| 65. calcium bromate        | 94. potassium chlorate     |
| 66. carbon monoxide        | 95. hydrogen selenide      |
| 67. iron(III)chromate      | 96. beryllium sulfide      |
| 68. disulfur pentoxide     | 97. barium oxide           |
| 69. aluminum nitride       | 98. strontium acetate      |
| 70. lithium bromide        | 99. gallium carbonate      |
| 71. copper(II)permanganate | 100. silver(I)chloride     |
| 72. lithium borate         |                            |
| 73. sodium bromide         |                            |
| 74. calcium oxide          |                            |
| 75. nickel(II)bicarbonate  |                            |
| 76. magnesium phosphate    |                            |
| 77. cobalt(II)bromide      |                            |
| 78. nitrogen(V)oxide       |                            |
| 79. carbon tetraiodide     |                            |

1. Calcium Hydroxide
2. Zinc Sulfide
3. Zinc Sulfate
4. Silver Chloride
5. Copper (I) Iodide
6. Copper (II) Iodide
7. Aluminum Chloride
8. Nitrogen Monoxide
9. Dinitrogen Trioxide
10. Nitrogen Dioxide
11. Carbon Monoxide
12. Carbon Dioxide
13. Calcium Sulfide
14. Sulfuric Acid
15. Hydrochloric Acid
16. Copper (II) Sulfate
17. Potassium Permanganate
18. Ammonium Chloride
19. Aluminum Phosphate
20. Nitric Acid
21. Acetic Acid
22. Carbonic Acid
23. Copper (I) Sulfate
24. Aluminum Carbide
25. Sulfur Fluoride
26. Sodium Chloride
27. Potassium Chromate
28. Magnesium Chloride
29. Potassium Bromate
30. Sodium Cyanide
31. Strontium Hydroxide
32. Sodium Dichromate
33. Aluminum Oxide
34. Sodium Hydroxide
35. Dinitrogen Pentoxide
36. Boric Acid

37. Calcium Hydroxide
38. Sodium Sulfite
39. Copper (II) Sulfate
40. Zinc Oxide
41. Manganese (IV) Oxide
42. Iron (II) Oxide
43. Diphosphorus Pentoxide
44. Strontium Chloride
45. Magnesium Nitride
46. Chromium Nitrate
47. Sodium Bicarbonate
48. Carbon Disulfide
49. Potassium Cyanide
50. Barium Chlorate

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NAME THE FOLLOWING COMPOUNDS:

- |                                  |   |  |  |
|----------------------------------|---|--|--|
| 1. Ca(OH) <sub>2</sub>           | 14. H <sub>2</sub> SO <sub>4</sub>                | 27. K <sub>2</sub> CrO <sub>4</sub>                | 40. ZnO                                |
| 2. ZnS                           | 15. HCl   | 28. MgCl <sub>2</sub>                              | 41. MnO <sub>2</sub>                   |
| 3. ZnSO <sub>4</sub>             | 16. CuSO <sub>4</sub>                             | 29. KBrO <sub>3</sub>                              | 42. FeO                                |
| 4. AgCl                          | 17. KMnO <sub>4</sub>                             | 30. NaCN   | 43. P <sub>2</sub> O <sub>5</sub>      |
| 5. CuI                           | 18. NH <sub>4</sub> Cl                            | 31. Sr(OH) <sub>2</sub>                            | 44. SrCl <sub>2</sub>                  |
| 6. CuI <sub>2</sub>              | 19. AlPO <sub>4</sub>                             | 32. Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> | 45. Mg <sub>3</sub> N <sub>2</sub>     |
| 7. AlCl <sub>3</sub>             | 20. HNO <sub>3</sub>                              | 33. Al <sub>2</sub> O <sub>3</sub>                 | 46. Cr(NO <sub>3</sub> ) <sub>2</sub>  |
| 8. NO                            | 21. HC <sub>2</sub> H <sub>3</sub> O <sub>2</sub> | 34. NaOH   | 47. NaHCO <sub>3</sub>                 |
| 9. N <sub>3</sub> O <sub>3</sub> | 22. H <sub>2</sub> CO <sub>3</sub>                | 35. N <sub>2</sub> O <sub>5</sub>                  | 48. CS <sub>2</sub>                    |
| 10. NO <sub>2</sub>              | 23. Cu <sub>2</sub> SO <sub>4</sub>               | 36. H <sub>3</sub> BO <sub>3</sub>                 | 49. KCN                                |
| 11. CO                           | 24. Al <sub>4</sub> C <sub>3</sub>                | 37. Ca(OH) <sub>2</sub>                            | 50. Ba(ClO <sub>3</sub> ) <sub>2</sub> |
| 12. CO <sub>2</sub>              | 25. NaF   | 38. Na <sub>2</sub> SO <sub>3</sub>                |  |
| 13. CaS                          | 26. NaCl  | 39. CuSO <sub>4</sub>                              |  |

*Key Name → Formula*

WRITE THE FORMULAS FOR THE FOLLOWING COMPOUNDS

- |                                 |  |                                  |  |
|---------------------------------|--|----------------------------------|--|
| 51. ammonium bromide            | NH <sub>4</sub> Br                               | 80. cadmium(III)cyanide          | Cd(CN) <sub>3</sub>  |
| 52. magnesium nitrate           | Mg(NO <sub>3</sub> ) <sub>2</sub>                | 81. lead(II)chromate             | PbCrO <sub>4</sub>   |
| 53. acetic acid                 | HC <sub>2</sub> H <sub>3</sub> O <sub>2</sub>    | 82. dinitrogen pentoxide         | N <sub>2</sub> O <sub>5</sub>                                  |
| 54. diphosphorus trioxide       | P <sub>2</sub> O <sub>3</sub>                    | 83. <del>ferrous chloride</del>  |  |
| 55. lead(II)chloride            | PbCl <sub>2</sub>                                | 84. hydroiodic acid              | HI   |
| 56. potassium sulfide           | K <sub>2</sub> S                                 | 85. potassium permanganate       | KMnO <sub>4</sub>  |
| 57. nitric acid                 | HNO <sub>3</sub>                                 | 86. tin(II)sulfide               | SnS  |
| 58. aluminum sulfate            | Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>  | 87. copper(II)cyanide            | Cu(CN) <sub>2</sub>  |
| 59. strontium chlorate          | Sr(ClO <sub>3</sub> ) <sub>2</sub>               | 88. ammonium bromide             | NH <sub>4</sub> Br   |
| 60. sulfur trioxide             | SO <sub>3</sub>                                  | 89. <del>bismuth sulfate</del>   |  |
| 61. tin(IV)fluoride             | SnF <sub>4</sub>                                 | 90. rubidium nitrate             | RbNO <sub>3</sub>  |
| 62. barium hydroxide            | Ba(OH) <sub>2</sub>                              | 91. calcium telluride            | CaTe   |
| 63. zinc(II)phosphate           | Zn <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>  | 92. mercury(II)iodide            | HgI <sub>2</sub>   |
| 64. cobalt(II)nitrate           | Co(NO <sub>3</sub> ) <sub>2</sub>                | 93. potassium dichromate         | K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub>                  |
| 65. calcium bromate             | Ca(BrO <sub>3</sub> ) <sub>2</sub>               | 94. potassium chlorate           | KClO <sub>3</sub>  |
| 66. carbon monoxide             | CO   | 95. <del>hydrogen selenide</del> |  |
| 67. iron(III)chromate           | Fe <sub>2</sub> (CrO <sub>4</sub> ) <sub>3</sub> | 96. beryllium sulfide            | BeS  |
| 68. disulfur pentoxide          | S <sub>2</sub> O <sub>5</sub>                    | 97. barium oxide                 | BaO  |
| 69. aluminum nitride            | AlN  | 98. strontium acetate            | Sr(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> |
| 70. lithium bromide             | LiBr   | 99. gallium carbonate            | Ga <sub>2</sub> (CO <sub>3</sub> ) <sub>3</sub>                |
| 71. copper(II)permanganate      | Cu(MnO <sub>4</sub> ) <sub>2</sub>               | 100. silver(I)chloride           | AgCl   |
| 72. lithium borate              | Li <sub>3</sub> BO <sub>3</sub>                  |                                  |  |
| 73. sodium bromide              | NaBr   |                                  |  |
| 74. calcium oxide               | CaO  |                                  |  |
| 75. nickel(II)bicarbonate       | Ni(HCO <sub>3</sub> ) <sub>2</sub>               |                                  |  |
| 76. magnesium phosphate         | Mg <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>  |                                  |  |
| 77. cobalt(II)bromide           | CoBr <sub>2</sub>                                |                                  |  |
| 78. <del>nitrogen(V)oxide</del> |  |                                  |  |
| 79. carbon tetraiodide          | CI <sub>4</sub>                                  |                                  |  |

*↑ wrong to have Roman Numeral!*