

Worksheet: Chemical Key
Identification (Naming Compounds)

Name: _____

Write the name for each of the following compounds:

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|---------------------------------|---------------------|--------------------------------|---------------------|
| 1. CaCO_3 | calcium carbonate | 11. NaClO_2 | sodium chlorite |
| 2. FeCl_2 | iron(II) chloride | 12. $\text{Fe}(\text{NO}_3)_2$ | iron nitrate |
| 3. K_2CO_3 | potassium carbonate | 13. CuCl_2 | copper(II) chloride |
| 4. AgCl | silver chloride | 14. AlCl_3 | aluminum chloride |
| 5. $\text{Ca}_3(\text{PO}_4)_2$ | calcium phosphate | 15. H_2CO_3 | carbonic acid |
| 6. NaOH | sodium hydroxide | 16. FeCl_3 | iron(III) chloride |
| 7. H_2S | sulfuric acid | 17. KNO_3 | potassium nitrate |
| 8. FeCl_3 | iron(III) chloride | 18. $\text{Mg}(\text{OH})_2$ | magnesium hydroxide |
| 9. Cl_2 | chlorine gas | 19. LiClO_2 | lithium chlorite |
| 10. NH_4NO_3 | ammonium nitrate | 20. HCl | hydrochloric acid |

Write the chemical formula for each of the following compounds:

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|----------------------------|--------------------------|--------------------------|------------------------------|
| 21. sodium nitrate | NaNO_3 | 31. potassium carbonate | K_2CO_3 |
| 22. iron(III) oxide | Fe_2O_3 | 32. silver chloride | AgCl |
| 23. aluminum hydroxide | $\text{Al}(\text{OH})_3$ | 33. nickel(II) carbonate | NiCO_3 |
| 24. ammonium hydroxide | NH_4OH | 34. calcium phosphate | $\text{Ca}_3(\text{PO}_4)_2$ |
| 25. magnesium chloride | MgCl_2 | 35. copper(II) nitrate | $\text{Cu}(\text{NO}_3)_2$ |
| 26. calcium chloride | CaCl_2 | 36. magnesium oxide | MgO |
| 27. copper(II) oxide | CuO | 37. aluminum oxide | Al_2O_3 |
| 28. potassium permanganate | KMnO_4 | 38. sodium nitrate | NaNO_3 |
| 29. zinc oxide | ZnO | 39. iron(III) oxide | Fe_2O_3 |
| 30. sodium sulfate | Na_2SO_4 | 40. tin(II) carbonate | SnCO_3 |