

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. NaCl | sodium chloride |
| 2. FeO | iron(II)oxide | 12. Fe(OH)_2 | iron(II)hydroxide |
| 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. PbCl_2 | lead(II)chloride |
| 7. H_2S | hydrogen sulfide | 17. KNO_3 | potassium nitrate |
| 8. FeCl_3 | iron(III)chloride | 18. Mg(OH)_2 | magnesium hydroxide |
| 9. Na_2CO_3 | sodium carbonate | 19. LiClO_4 | lithium perchlorate |
| 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 | Al(OH)_3 | 33. nickel(II)acetate | $\text{Ni(CH}_3\text{COO)}_2$ |
| 24. ammonium hydroxide | NH_4OH | 34. calcium phosphate | $\text{Ca}_3(\text{PO}_4)_2$ |
| 25. magnesium chloride | MgCl_2 | 35. copper(II)nitrate | $\text{Cu(NO}_3)_2$ |
| 26. calcium chloride | CaCl_2 | 36. magnesium oxide | MgO |
| 27. copper(II)oxide | CuO | 37. aluminum oxide | Al_2O_3 |
| 28. potassium sulfate | K_2SO_4 | 38. sodium nitrate | NaNO_3 |
| 29. zinc oxide | ZnO | 39. lead(II)oxide | PbO |
| 30. barium sulfate | BaSO_4 | 40. tin(II)acetate | $\text{Sn(CH}_3\text{COO)}_2$ |