

Worksheet: Chemical Key
Formulas for Naming Compounds

Name _____

Write the name for each of the following compounds:

- | | | | |
|---------------------------------------|--------------------|--------------------------------|------------------------|
| 1. CuCl_2 | copper(II)chloride | 11. BaCl_2 | barium chloride |
| 2. FeI_3 | iron(III)iodide | 12. $\text{Fe}(\text{NO}_3)_3$ | iron(III)nitrate |
| 3. K_2SO_4 | potassium sulfate | 13. CuClO_4 | copper(II) perchlorate |
| 4. AgCl | silver chloride | 14. AlCl_3 | aluminum chloride |
| 5. $\text{Ca}_3(\text{PO}_4)_2$ | calcium phosphate | 15. NaOH | sodium hydroxide |
| 6. $\text{Ba}(\text{OH})_2$ | barium hydroxide | 16. PbCl_2 | lead(II) chloride |
| 7. Na_2S | sodium sulfide | 17. KNO_3 | potassium nitrate |
| 8. FeCl_3 | iron(III) chloride | 18. $\text{Mg}(\text{OH})_2$ | magnesium hydroxide |
| 9. $\text{Na}_2\text{Cr}_2\text{O}_7$ | sodium dichromate | 19. LiClO_4 | lithium perchlorate |
| 10. $(\text{NH}_4)_2\text{SO}_4$ | ammonium sulfate | 20. Na_2O | sodium(II) oxide |

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 sulfide | Ag_2S |
| 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 sulfide | MgS |
| 27. copper(II) oxide | Cu_2O | 37. aluminum oxide | Al_2O_3 |
| 28. potassium sulfate | K_2SO_4 | 38. sodium nitrate | NaNO_3 |
| 29. zinc oxide | ZnO | 39. lead(II) sulfide | PbS |
| 30. barium sulfate | BaSO_4 | 40. tin(II) carbonate | SnCO_3 |