

Formula Writing for Ionic Compounds

Write the correct formula for each of the compounds listed below.

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|----------------------------|-------|--------------------------|-------|
| 1. potassium iodide | _____ | 2. tin(IV) oxide | _____ |
| 3. barium chloride | _____ | 4. gold(III) bromide | _____ |
| 5. aluminum sulfide | _____ | 6. calcium oxide | _____ |
| 7. calcium hydroxide | _____ | 8. sodium fluoride | _____ |
| 9. iron(II) sulfite | _____ | 10. lithium acetate | _____ |
| 11. calcium carbonate | _____ | 12. silver oxide | _____ |
| 13. cobalt(II) fluoride | _____ | 14. sodium phosphide | _____ |
| 15. potassium permanganate | _____ | 16. copper(II) sulfate | _____ |
| 17. magnesium hydroxide | _____ | 18. zinc chloride | _____ |
| 19. potassium nitrate | _____ | 20. sodium bicarbonate | _____ |
| 21. copper(I) sulfate | _____ | 22. ammonium carbonate | _____ |
| 23. aluminum acetate | _____ | 24. iron(II) oxide | _____ |
| 25. potassium chlorate | _____ | 26. sodium oxalate | _____ |
| 27. copper(II) nitrate | _____ | 28. oxygen gas | _____ |
| 29. lead(IV) acetate | _____ | 30. ammonium hydroxide | _____ |
| 31. beryllium sulfate | _____ | 32. lithium hydroxide | _____ |
| 33. sulfuric acid | _____ | 34. nitric acid | _____ |
| 35. sodium hydroxide | _____ | 36. lead(II) chloride | _____ |
| 37. mercury(II) phosphate | _____ | 38. phosphoric acid | _____ |
| 39. acetic acid | _____ | 40. manganese(VII) oxide | _____ |

Nomenclature of Ionic Compounds

Write the names for each of the following ionic compounds.

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|---|-------|---|-------|
| 1. KOH | _____ | 2. PbS | _____ |
| 3. LiI | _____ | 4. Na ₂ CO ₃ | _____ |
| 5. AlF ₃ | _____ | 6. BaF ₂ | _____ |
| 7. FeCl ₂ | _____ | 8. Cu(NO ₃) ₂ | _____ |
| 9. MgO | _____ | 10. AgI | _____ |
| 11. Co(NO ₃) ₂ | _____ | 12. NiSO ₄ | _____ |
| 13. MgSO ₄ | _____ | 14. Zn ₃ (PO ₄) ₂ | _____ |
| 15. NH ₄ Cl | _____ | 16. Na ₃ N | _____ |
| 17. CrPO ₄ | _____ | 18. Cu ₂ CO ₃ | _____ |
| 19. Ba(OH) ₂ | _____ | 20. (NH ₄) ₂ SO ₄ | _____ |
| 21. CaCO ₃ | _____ | 22. KCl | _____ |
| 23. FeSO ₄ | _____ | 24. LiBr | _____ |
| 25. MgCl ₂ | _____ | 26. FeCl ₃ | _____ |
| 27. NH ₄ NO ₃ | _____ | 28. Al(OH) ₃ | _____ |
| 29. PbSO ₄ | _____ | 30. NaClO ₃ | _____ |
| 31. CaC ₂ O ₄ | _____ | 32. Fe ₂ O ₃ | _____ |
| 33. (NH ₄) ₃ PO ₄ | _____ | 34. Hg ₂ Cl ₂ | _____ |
| 35. Mg(NO ₂) ₂ | _____ | 36. CuSO ₄ | _____ |
| 37. NaHCO ₃ | _____ | 38. NiBr ₃ | _____ |
| 39. KMnO ₄ | _____ | 40. NaC ₂ H ₃ O ₂ | _____ |