

Chemistry Practice: Writing Chemical Formulas

Write a chemical formula for each substance.

1. NaCl sodium chloride
2. N₂O₅ dinitrogen pentoxide
3. H₂S hydrosulfuric acid
4. K₂SO₄ potassium sulfate
5. H₂C₂O₄ oxalic acid
6. AgC₂H₃O₂ silver acetate
7. Cr(III)O₃ chromium(III) nitrate
8. HC₂H₃O₂ acetic acid
9. (NH₄)₂CO₃ ammonium carbonate
10. Ca(OH)₂ calcium hydroxide
11. H₂C₄H₄O₄ tartaric acid
12. Hg(II)NO₃ mercury(II) nitrate
13. N₂O dinitrogen monoxide
14. Fe₂O₃ iron(III) oxide
15. Pb(II)Cl₃ lead(II) chlorate
16. (NH₄)₂PO₄ ammonium phosphate
17. ZnCl₂ zinc chloride
18. Ca₃(PO₄)₂ calcium phosphate
19. O₂F₂ oxygen difluoride
20. Na₂N₂ sodium azide
21. Fe₂(SO₄)₃ iron(III) sulfate
22. H₃AsO₃ arsenous acid
23. Cr₂O₃ chromium(III) oxide
24. N₂O₄ dinitrogen tetroxide
25. NH₄NO₃ ammonium nitrate
26. AuBr₃ gold(III) bromide
27. CO carbon monoxide
28. K₂CO₃ potassium carbonate
29. HIO₃ iodic acid
30. CsCl cesium chloride
31. Ni(IV)O₄ nickel(II) permanganate
32. Al₂(SO₄)₃ aluminum sulfate
33. Al₂(SO₃)₃ aluminum sulfite
34. Ba(C₂H₃O₂)₂ barium acetate
35. Mn(OH)₃ manganese(III) hydroxide
36. KH₂PO₄ potassium dihydrogen phosphate
37. HF hydrofluoric acid
38. Al(BrO₃)₃ aluminum bromate

39. Ca(NO₃)₂ calcium nitrate
40. SO₃ sulfur trioxide
41. KCN potassium cyanide
42. Pb(IV)O₃ lead(II) nitrate
43. H₂S hydrogen sulfide
44. CoCl₃ cobalt(III) chloride
45. SF₆ sulfur hexafluoride
46. Ca₃N₂ calcium nitride
47. CuI copper(I) iodide
48. SiO₂ silicon dioxide
49. Sn(IV)O₂ tin(IV) acetate
50. C₂Cl₄ carbon tetrachloride
51. CuS copper(II) sulfide
52. Pb₃(PO₄)₂ lead(II) phosphate
53. XeCl₄ xenon tetrachloride
54. Rb₂O rubidium oxide
55. MgSe magnesium selenide
56. Na₄Cl ammonium chloride
57. Fe(C₂H₅O₂)₃ iron(III) acetate
58. K₂Cr₂O₇ potassium dichromate
59. PBr₃ phosphorous tribromide
60. Na₃PO₄ sodium phosphite
61. Na₅PO₄ sodium phosphate
62. Hg(II)O₂ mercury(II) nitrate
63. LiHCO₃ lithium bicarbonate
64. CrF₃ chromium(III) fluoride
65. PbI₂ lead(II) iodide
66. H₂SO₃ sulfurous acid
67. SnFe tin(II) fluoride
68. HgCrO₄ mercury(II) chromate
69. KNO₃ potassium nitrate
70. ScCl₃ strontium chloride
71. P₄O₁₀ tetraphosphorous decoxide
72. KNO₃ potassium nitrate
73. KNO₂ potassium nitrite
74. K₂N potassium nitride
75. CaO calcium oxide
76. Fe(IV)O₄ iron(II) periodate

Lab 12 Chemical Names And Formulas Answers

Dennis D. Staley,Edward L. Waterman

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