

Naming Compounds Containing Polyatomic Ions

Use the following list of polyatomic ions to name the compounds given.

OH hydroxide
NO₃ nitrate
C₂H₃O₂ acetate

ClO₃ chlorate
HCO₃ bicarbonate
SO₄ sulfate
CO₃ carbonate

SO₃ sulfite
PO₄ phosphate
NH₄ ammonium

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| 1. CuSO ₄ _____ | 26. NaOH _____ |
| 2. KClO ₃ _____ | 27. NaNO ₃ _____ |
| 3. NH ₄ OH _____ | 28. Ba(OH) ₂ _____ |
| 4. K ₂ CO ₃ _____ | 29. K ₂ CO ₃ _____ |
| 5. Na ₂ SO ₄ _____ | 30. LiOH _____ |
| 6. KC ₂ H ₃ O ₂ _____ | 31. KHCO ₃ _____ |
| 7. NH ₄ Cl _____ | 32. NH ₄ F _____ |
| 8. Mg(OH) ₂ _____ | 33. KClO ₃ _____ |
| 9. Zn(NO ₃) ₂ _____ | 34. NaC ₂ H ₃ O ₂ _____ |
| 10. MgSO ₄ _____ | 35. CaClO ₃ _____ |
| 11. CaCO ₃ _____ | 36. SrNO ₃ _____ |
| 12. KOH _____ | 37. Be(OH) ₂ _____ |
| 13. Ca(OH) ₂ _____ | 38. Li ₂ SO ₄ _____ |
| 14. K ₂ CO ₃ _____ | 39. Al ₂ (SO ₄) ₃ _____ |
| 15. AlPO ₄ _____ | 40. BaSO ₃ _____ |
| 16. Na ₃ PO ₄ _____ | 41. NH ₄ I _____ |
| 17. MgSO ₄ _____ | 42. NH ₄ HCO ₃ _____ |
| 18. AgNO ₃ _____ | 43. Cu ₃ (PO ₄) ₂ _____ |
| 19. Na ₂ CO ₃ _____ | 44. NiOH _____ |
| 20. NaHCO ₃ _____ | 45. ZnSO ₄ _____ |
| 21. Ca(NO ₃) ₂ _____ | 46. MnCO ₃ _____ |
| 22. BaSO ₄ _____ | 47. HgOH _____ |
| 23. BPO ₄ _____ | 48. Au ₂ SO ₄ _____ |
| 24. LiNO ₃ _____ | 49. NH ₄ NO ₃ _____ |
| 25. Al(NO ₃) ₃ _____ | 50. LiClO ₃ _____ |