**Nomenclature: Binary acids, Peroxides, Hydroxides and Ammonium Compounds Answers**

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| **Write Formulas** | **Write Names** |
| 1. | hydrochloric acid  | HCl (aq) | 26. | HBr(aq) | hydrobromic acid |
| 2. | calcium peroxide  | CaO2 | 27. | H2S (aq) | hydrosulfuric acid |
| 3. | ammonium sulfide  | (NH4)2S | 28. | NH4Cl | ammonium chloride |
| 4. | calcium oxide  | CaO | 29. | Na2O | sodium oxide |
| 5. | hydroiodic acid  | HI (aq) | 30. | AgOH | silver hydroxide |
| 6. | aluminum peroxide  | Al2O6 or Al2(O2)3 | 31. | Rb2O | rubidium oxide |
| 7. | ammonium bromide  | NH4Br | 32. | Na2O2 | sodium peroxide |
| 8. | aluminum oxide  | Al2O3 | 33. | (NH4)3N | ammonium nitride |
| 9. | ammonium hydroxide  | NH4OH | 34. | NaOH | sodium hydroxide |
| 10. | barium hydroxide | Ba(OH)­2 | 35. | K2O2 | potassium peroxide |
| 11. | hydrosulfuric acid | H2S (aq) | 36. | KOH | potassium hydroxide |
| 12. | hydrogen peroxide | H2O2 | 37. | MgO2 | magnesium peroxide |
| 13. | ammonium iodide | NH4I | 38. | H2Se(aq) | hydroselenic acid |
| 14. | hydrogen sulfide gas | H2S (g) | 39. | HBr(g) | hydrogen bromide |
| 15. | lithium hydroxide | LiOH | 40. | BaO | barium oxide |
| 16. | hydrogen chloride gas | HCl (g) | 41. | Zn(OH)2 | zinc hydroxide |
| 17. | magnesium hydroxide | Mg(OH)2 | 42. | MgO | magnesium oxide |
| 18. | potassium peroxide | K2O2 | 43. | HCl(aq) | hydrochloric acid |
| 19. | hydrofluoric acid | HF (aq) | 44. | K2O | potassium oxide |
| 20. | calcium hydroxide | Ca(OH)2 | 45. | HOH | water |
| 21. | cesium oxide | Cs2O | 46. | HBr(g) | hydrogen bromide |
| 22. | hydrobromic acid | HBr (aq) | 47. | Sr(OH)2 | strontium hydroxide |
| 23. | aluminum hydroxide | Al(OH)3 | 48. | HI(g) | hydrogen iodide |
| 24. | hydrogen oxide | H2O | 49. | HF(aq) | hydrofluoric acid |
| 25. | hydrogen iodide gas | HI (g) | 50. | BaO2 | barium peroxide |