

Balancing Chemical Equations

1. sodium carbonate + calcium hydroxide \rightarrow sodium hydroxide + calcium carbonate
2. carbon dioxide + water \rightarrow carbonic acid
3. phosphorus + oxygen \rightarrow diphosphorus pentoxide
4. sodium + water \rightarrow sodium hydroxide + hydrogen
5. zinc + sulphuric acid \rightarrow zinc sulfate + hydrogen
6. aluminum sulfate + calcium hydroxide \rightarrow aluminum hydroxide + calcium sulfate
7. calcium oxide + water \rightarrow calcium hydroxide
8. iron + copper(I) nitrate \rightarrow iron(II) nitrate + copper
9. iron(II) sulfide + hydrochloric acid \rightarrow hydrosulfuric acid + iron(II) chloride
10. potassium oxide + water \rightarrow potassium hydroxide
11. ammonium sulfide + lead(II) nitrate \rightarrow ammonium nitrate + lead(II) sulfide
12. mercuric hydroxide + phosphoric acid \rightarrow mercuric phosphate + water
13. potassium hydroxide + phosphoric acid \rightarrow potassium phosphate + water
14. calcium chloride + nitric acid \rightarrow calcium nitrate + hydrochloric acid
15. potassium carbonate + barium chloride \rightarrow potassium chloride + barium carbonate
16. sulfur dioxide + water \rightarrow sulfurous acid
17. sodium carbonate + hydrochloric acid \rightarrow sodium chloride + water + carbon dioxide
18. magnesium + nitric acid \rightarrow magnesium nitrate + hydrogen
19. aluminum + ferric oxide \rightarrow aluminum oxide + iron
20. potassium phosphate + magnesium chloride \rightarrow magnesium phosphate + potassium chloride
21. ammonia + oxygen \rightarrow nitrogen + water
22. calcium carbonate \rightarrow calcium oxide + carbon dioxide
23. sodium chloride + sulfuric acid \rightarrow sodium sulfate + hydrochloric acid
24. chromium + hydrochloric acid \rightarrow chromium(II) chloride + hydrogen
25. copper + silver nitrate \rightarrow copper(II) nitrate + silver
26. copper + sulfuric acid \rightarrow copper(II) sulfate + sulfur dioxide + water
27. aluminum sulfate + ammonium bromide \rightarrow aluminum bromide + ammonium sulfate
28. chlorine + sodium hydroxide \rightarrow sodium chloride + sodium hypochlorite + water
29. sodium + water \rightarrow sodium hydroxide + hydrogen
30. lead(II) nitrate \rightarrow lead(II) oxide + nitrogen dioxide + oxygen

31. cupric oxide + ammonia \rightarrow copper + water + nitrogen
32. sodium bicarbonate + sulfuric acid \rightarrow sodium sulfate + water + carbon dioxide
33. ammonia + oxygen \rightarrow nitrogen monoxide + water
34. potassium carbonate + hydrofluoric acid \rightarrow potassium fluoride + carbon dioxide + water
35. fluorine + sodium hydroxide \rightarrow sodium fluoride + oxygen + water
36. magnesium nitrate + calcium iodide \rightarrow calcium nitrate + magnesium iodide
37. aluminum sulfate + ammonium bromide \rightarrow aluminum bromide + ammonium sulfate
38. potassium fluoride + barium bromide \rightarrow barium fluoride + potassium bromide
39. cupric nitrate + ammonium hydroxide \rightarrow cupric hydroxide + ammonium nitrate
40. sodium nitrate \rightarrow sodium nitrite + oxygen
41. ammonia + sulfuric acid \rightarrow ammonium sulfate
42. hydrochloric acid + ammonia \rightarrow ammonium chloride
43. aluminum + hydrochloric acid \rightarrow aluminum chloride + hydrogen
44. calcium bicarbonate + calcium hydroxide \rightarrow calcium carbonate + water
45. water + diphosphorus pentoxide \rightarrow phosphoric acid
46. chlorine + sodium hydroxide \rightarrow sodium chloride + sodium hypochlorite + water
47. plumbous nitrate \rightarrow plumbous oxide + nitrogen dioxide + oxygen
48. chromium(III) chloride + sulfuric acid \rightarrow chromium(III) sulfate + hydrochloric acid
49. magnesium bicarbonate + hydrochloric acid \rightarrow magnesium chloride + water + carbon dioxide
50. iron + oxygen \rightarrow ferric oxide
51. ferric oxide + carbon monoxide \rightarrow iron + carbon dioxide
52. calcium chloride + chromium(III) nitrate \rightarrow calcium nitrate + chromium(III) chloride
53. zinc sulfide + oxygen \rightarrow zinc oxide + sulfur dioxide
54. iron(III) hydroxide \rightarrow iron(III) oxide + water
55. aluminum sulfate + sodium bicarbonate \rightarrow aluminum hydroxide + sodium sulfate + carbon dioxide
56. calcium phosphate + silicon dioxide + carbon \rightarrow phosphorus + calcium silicate + carbon monoxide
57. magnesium nitride + water \rightarrow magnesium hydroxide + ammonia
58. arsenic + oxygen \rightarrow diarsenic trioxide
59. cupric oxide + ammonia \rightarrow copper + water + nitrogen
60. ammonium dichromate \rightarrow chromium(III) oxide + nitrogen + water
61. barium bromide + sodium phosphate \rightarrow barium phosphate + sodium bromide
62. lead(II) sulfide + lead(II) oxide \rightarrow lead + sulfur dioxide