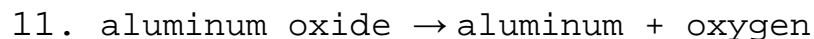
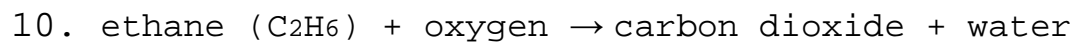
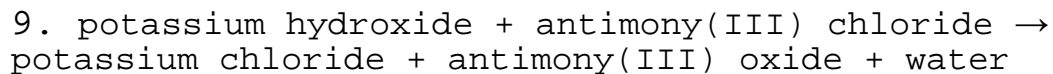
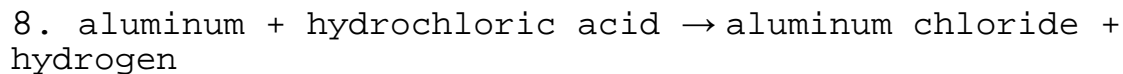
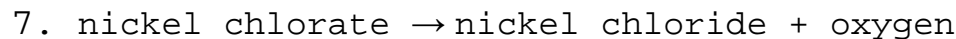
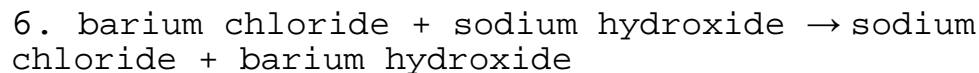
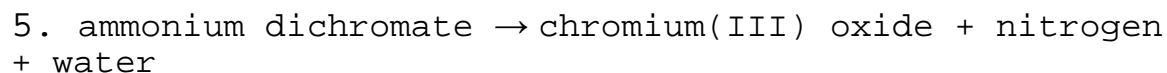
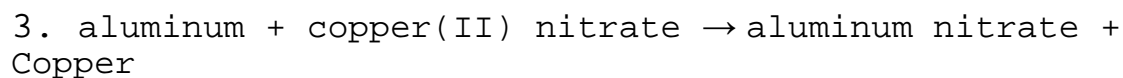
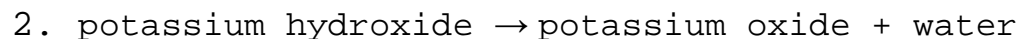
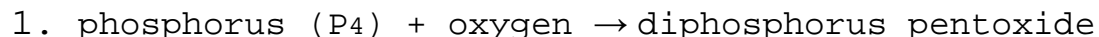


Balancing Chemical Equations Worksheet

For each equation below, write the correct formula equation and then balance it.



12. nitrogen + hydrogen \rightarrow ammonia (NH_3)

13. calcium + water \rightarrow calcium hydroxide + hydrogen

14. propane (C_3H_8) + oxygen \rightarrow carbon dioxide + water

15. hydrogen + carbon monoxide + oxygen \rightarrow carbonic
Acid

16. barium chlorate \rightarrow barium chloride + oxygen

17. glucose ($\text{C}_6\text{H}_{12}\text{O}_6$) + oxygen \rightarrow carbon dioxide +
Water

18. calcium chloride + sodium hydroxide \rightarrow sodium
chloride + calcium hydroxide

19. methane (CH_4) + oxygen \rightarrow carbon dioxide + water

20. silver + nitric acid \rightarrow silver chloride + hydrogen

21. nitrogen + hydrogen \rightarrow ammonia (NH_3)

22. sodium nitrate \rightarrow sodium nitrite + oxygen

23. butane (C_4H_{10}) + oxygen \rightarrow carbon dioxide + water

24. aluminum oxide + hydrochloric acid \rightarrow aluminum
chloride + water

25. nitrogen + hydrogen \rightarrow ammonia

26. cesium iodide + bromine → cesium bromide + iodine

27. ethane (C₂H₆) + oxygen → carbon dioxide + water

28. lithium phosphate → lithium + phosphorus (P₄) +
Oxygen

29. aluminum + copper(II) iodide → magnesium chlorate
+ copper

30. cobalt(III) chloride + potassium hydroxide →
potassium chloride + cobalt(III) hydroxide

31. manganese + hydrochloric acid → manganese(II)
chloride + hydrogen

32. aluminum sulfate + sodium hydrogen carbonate →
aluminum hydroxide + carbon dioxide + sodium
sulfate

33. paraffin (C₂₅H₅₂) + oxygen → carbon dioxide +
Water

34. aluminum oxide + carbon + chlorine → aluminum
chloride + carbon monoxide

35. magnesium + iron(III) nitrate → magnesium nitrate
+ iron

36. strontium + chlorine + oxygen → strontium chlorate