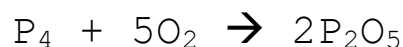


Balancing Chemical Equations Worksheet

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

1. phosphorus (P₄) + oxygen → diphosphorus pentoxide



2. potassium hydroxide → potassium oxide + water



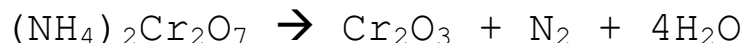
3. aluminum + copper(II) nitrate → aluminum nitrate + Copper



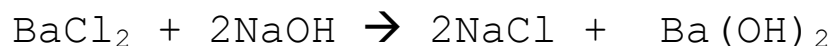
4. pentane (C₅H₁₂) + oxygen → carbon dioxide + water



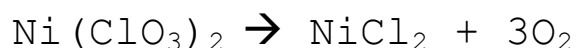
5. ammonium dichromate → chromium(III) oxide + nitrogen + water



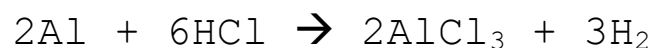
6. barium chloride + sodium hydroxide → sodium chloride + barium hydroxide



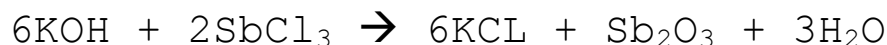
7. nickel chlorate → nickel chloride + oxygen



8. aluminum + hydrochloric acid → aluminum chloride + Hydrogen



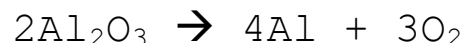
9. potassium hydroxide + antimony(III) chloride → potassium chloride + antimony(III) oxide + water



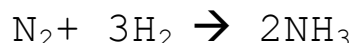
10. ethane (C₂H₆) + oxygen → carbon dioxide + water



11. aluminum oxide → aluminum + oxygen



12. nitrogen + hydrogen → ammonia (NH₃)



13. calcium + water → calcium hydroxide + hydrogen



14. propane (C₃H₈) + oxygen → carbon dioxide + water



15. hydrogen + carbon monoxide + oxygen → carbonic Acid



16. barium chlorate → barium chloride + oxygen

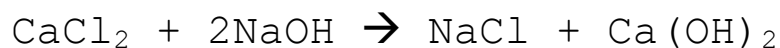


17. glucose (C₆H₁₂O₆) + oxygen → carbon dioxide +

Water



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

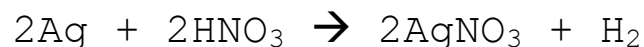


19. methane (CH_4) + oxygen $\rightarrow$ carbon dioxide + water

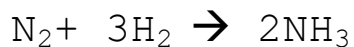


20. silver + nitric acid $\rightarrow$ silver chloride + hydrogen

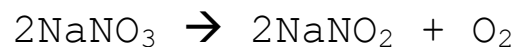
There is a typo chloride should be nitrate



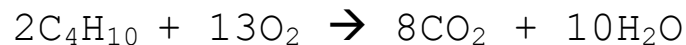
21. nitrogen + hydrogen $\rightarrow$ ammonia (NH_3)



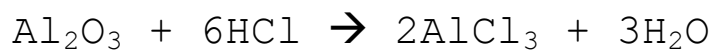
22. sodium nitrate $\rightarrow$ sodium nitrite + oxygen



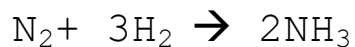
23. butane (C_4H_{10}) + oxygen $\rightarrow$ carbon dioxide + water



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



25. nitrogen + hydrogen $\rightarrow$ ammonia



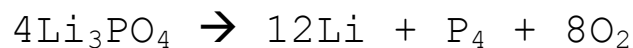
26. cesium iodide + bromine → cesium bromide + iodine



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



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



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

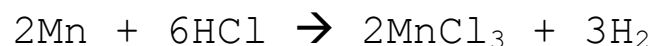
Typo, should be aluminum iodide



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



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

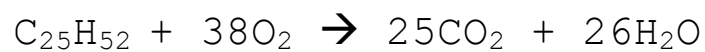


32. aluminum sulfate + sodium hydrogen carbonate → aluminum hydroxide + carbon dioxide + sodium sulfate

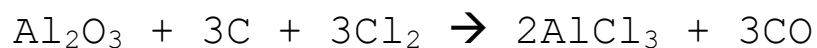


33. paraffin (C₂₅H₅₂) + oxygen → carbon dioxide +

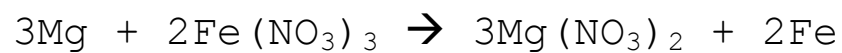
Water



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



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



36. strontium + chlorine + oxygen → strontium chlorate

