

Balancing Chemical Equations Worksheet

1. _____ H₂ + _____ O₂ → _____ H₂O
2. _____ N₂ + _____ H₂ → _____ NH₃
3. _____ S₈ + _____ O₂ → _____ SO₃
4. _____ N₂ + _____ O₂ → _____ N₂O
5. _____ HgO → _____ Hg + _____ O₂
6. _____ CO₂ + _____ H₂O → _____ C₆H₁₂O₆ + _____ O₂
7. _____ Zn + _____ HCl → _____ ZnCl₂ + _____ H₂
8. _____ SiCl₄ + _____ H₂O → _____ H₄SiO₄ + _____ HCl
9. _____ Na + _____ H₂O → _____ NaOH + _____ H₂
10. _____ H₃PO₄ → _____ H₄P₂O₇ + _____ H₂O
11. _____ C₁₀H₁₆ + _____ Cl₂ → _____ C + _____ HCl
12. _____ CO₂ + _____ NH₃ → _____ OC(NH₂)₂ + _____ H₂O
13. _____ Si₂H₃ + _____ O₂ → _____ SiO₂ + _____ H₂O₃
14. _____ Al(OH)₃ + _____ H₂SO₄ → _____ Al₂(SO₄)₃ + _____ H₂O
15. _____ Fe + _____ O₂ → _____ Fe₂O₃
16. _____ Fe₂(SO₄)₃ + _____ KOH → _____ K₂SO₄ + _____ Fe(OH)₃
17. _____ C₇H₆O₂ + _____ O₂ → _____ CO₂ + _____ H₂O
18. _____ H₂SO₄ + _____ HI → _____ H₂S + _____ I₂ + _____ H₂O
19. _____ FeS₂ + _____ O₂ → _____ Fe₂O₃ + _____ SO₂
20. _____ Al + _____ FeO → _____ Al₂O₃ + _____ Fe
21. _____ Fe₂O₃ + _____ H₂ → _____ Fe + _____ H₂O
22. _____ Na₂CO₃ + _____ HCl → _____ NaCl + _____ H₂O + _____ CO₂
23. _____ K + _____ Br₂ → _____ KBr
24. _____ C₇H₁₆ + _____ O₂ → _____ CO₂ + _____ H₂O
25. _____ P₄ + _____ O₂ → _____ P₂O₅