

Balancing Chemical Equations Worksheet
ANSWERS

1. $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$
2. $2\text{KClO}_3 \rightarrow 2\text{KCl} + 3\text{O}_2$
3. $\text{MgBr}_2 + \text{Cl}_2 \rightarrow \text{MgCl}_2 + \text{Br}_2$
4. $\text{Ca(OH)}_2 + 2\text{HNO}_3 \rightarrow \text{Ca(NO}_3)_2 + 2\text{H}_2\text{O}$
5. $2\text{Al} + 6\text{HCl} \rightarrow 2\text{AlCl}_3 + 3\text{H}_2$
6. $3\text{H}_2 + \text{N}_2 \rightarrow 2\text{NH}_3$
7. $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$
8. $2\text{K} + 2\text{H}_2\text{O} \rightarrow 2\text{KOH} + \text{H}_2$
9. $2\text{Al(OH)}_3 + 3\text{H}_2\text{SO}_4 \rightarrow \text{Al}_2(\text{SO}_4)_3 + 6\text{H}_2\text{O}$
10. $2\text{NaI} + \text{Cl}_2 \rightarrow 2\text{NaCl} + \text{I}_2$
11. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
12. $2\text{HgO} \rightarrow 2\text{Hg} + \text{O}_2$
13. $6\text{CO}_2 + 6\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$
14. $2\text{C}_8\text{H}_{18} + 25\text{O}_2 \rightarrow 16\text{CO}_2 + 18\text{H}_2\text{O}$
15. $\text{CaCO}_3 + \text{H}_2\text{SO}_4 \rightarrow \text{CaSO}_4 + \text{H}_2\text{O} + \text{CO}_2$
16. $4\text{Fe} + 3\text{O}_2 \rightarrow 2\text{Fe}_2\text{O}_3$
17. $\text{Mg(OH)}_2 + 2\text{HCl} \rightarrow \text{MgCl}_2 + 2\text{H}_2\text{O}$
18. $\text{AgNO}_3 + \text{NaBr} \rightarrow \text{AgBr} + \text{NaNO}_3$
19. $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$
20. $2\text{H}_2\text{O}_2 \rightarrow 2\text{H}_2\text{O} + \text{O}_2$
21. $4\text{Na} + \text{O}_2 \rightarrow 2\text{Na}_2\text{O}$
22. $\text{P}_4 + 5\text{O}_2 \rightarrow \text{P}_4\text{O}_{10}$
23. $3\text{Fe} + 4\text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + 4\text{H}_2$
24. $\text{C} + 2\text{H}_2 \rightarrow \text{CH}_4$
25. $\text{Na}_2\text{SO}_4 + \text{CaCl}_2 \rightarrow \text{CaSO}_4 + 2\text{NaCl}$
26. $2\text{C}_2\text{H}_6 + 7\text{O}_2 \rightarrow 4\text{CO}_2 + 6\text{H}_2\text{O}$
27. $2\text{Al}_2\text{O}_3 \rightarrow 4\text{Al} + 3\text{O}_2$