

BALANCING Chemical Equations

Write numbers in the boxes to balance the equations below.

- H₂ + O₂ → H₂O
- Cu + O₂ → CuO
- Na₃PO₄ + HCl → NaCl + H₃PO₄
- Fe + Cl₂ → FeCl₂
- AgI + Na₂S → Ag₂S + NaI
- Al + HCl → AlCl₃ + H₂
- SiO₂ + HF → SiF₄ + H₂O
- SnO₂ + H₂ → Sn + H₂O
- Al + O₂ → Al₂O₃
- Fe + O₂ → Fe₂O₃
- P₄ + O₂ → P₂O₅
- N₂ + H₂ → NH₃
- CH₄ + H₂O → H₂ + CO
- CO + H₂ → C₈H₁₈ + H₂O
- Mg(OH)₂ + HCl → MgCl₂ + H₂O
- C₄H₁₀O + O₂ → CO₂ + H₂O
- Ca₃(PO₄)₂ + H₂SO₄ → CaSO₄ + Ca(H₂PO₄)₂
- Hg(OH)₂ + H₃PO₄ → Hg₃(PO₄)₂ + H₂O
- Na₃PO₄ + CaCl₂ → Ca₃(PO₄)₂ + NaCl
- (NH₄)₃PO₄ + Pb(NO₃)₄ → Pb₃(PO₄)₄ + NH₄NO₃

CHALLENGE

BALANCING Chemical Equations

Write numbers in the boxes to balance the equations below.

- $\text{C}_7\text{H}_{16} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- $\text{Fe}_2\text{O}_3 + \text{CO} \rightarrow \text{Fe} + \text{CO}_2$
- $\text{C}_4\text{H}_{10}\text{O} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- $\text{Na}_2\text{S}_2\text{O}_3 + \text{I}_2 \rightarrow \text{NaI} + \text{Na}_2\text{S}_4\text{O}_6$
- $\text{C}_3\text{H}_7\text{OH} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- $\text{C}_6\text{H}_{12}\text{O}_6 \rightarrow \text{C}_2\text{H}_5\text{OH} + \text{CO}_2$
- $\text{C}_2\text{H}_6 + \text{O}_2 \rightarrow \text{CO} + \text{H}_2\text{O}$
- $\text{KMnO}_4 + \text{HCl} \rightarrow \text{KCl} + \text{MnCl}_2 + \text{Cl}_2 + \text{H}_2\text{O}$
- $\text{FeS}_2 + \text{O}_2 \rightarrow \text{Fe}_2\text{O}_3 + \text{SO}_2$
- $\text{C}_3\text{H}_8\text{O}_3 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- $\text{C}_5\text{H}_{12} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- $\text{C}_{10}\text{H}_8 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- $\text{Ca}_5(\text{PO}_4)_3\text{F} + \text{H}_2\text{SO}_4 \rightarrow \text{CaSO}_4 + \text{HF} + \text{H}_3\text{PO}_4$
- $\text{Al}_2(\text{SO}_4)_3 + \text{Ca}(\text{OH})_2 \rightarrow \text{Al}(\text{OH})_3 + \text{CaSO}_4$
- $\text{C}_8\text{H}_{18} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- $\text{Cu} + \text{HNO}_3 \rightarrow \text{Cu}(\text{NO}_3)_2 + \text{NO} + \text{H}_2\text{O}$
- $\text{AgNO}_3 + \text{BaCl}_2 \rightarrow \text{AgCl} + \text{Ba}(\text{NO}_3)_2$
- $\text{H}_3\text{PO}_4 + \text{NaOH} \rightarrow \text{Na}_3\text{PO}_4 + \text{H}_2\text{O}$
- $\text{C}_{12}\text{H}_{22}\text{O}_{11} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
- $\text{Pb}(\text{NO}_3)_2 \rightarrow \text{PbO} + \text{NO}_2 + \text{O}_2$