
Balancing Equations Worksheet With Answer PDF

Introduction

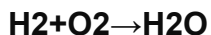
Balancing chemical equations is essential in understanding chemical reactions and ensuring the law of conservation of mass is maintained. This worksheet provides practice problems along with answers for self-assessment.

Instructions

1. Identify the reactants and products.
2. Write the unbalanced equation.
3. Balance one element at a time using coefficients.
4. Ensure the number of atoms of each element is equal on both sides of the equation.

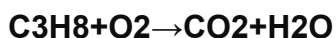
Practice Problems

Problem 1:



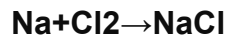
- Balanced Equation: _____

Problem 2:



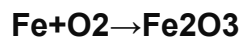
- Balanced Equation: _____

Problem 3:



- Balanced Equation: _____

Problem 4:



- Balanced Equation: _____

Answers

1. $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$
2. $\text{C}_3\text{H}_8 + 5\text{O}_2 \rightarrow 3\text{CO}_2 + 4\text{H}_2\text{O}$
3. $2\text{Na} + \text{Cl}_2 \rightarrow 2\text{NaCl}$
4. $4\text{Fe} + 3\text{O}_2 \rightarrow 2\text{Fe}_2\text{O}_3$