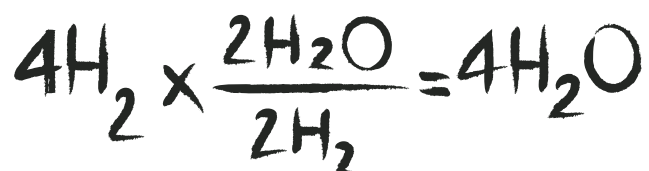


Balancing Chemical Equations Worksheet



Section 1: Fundamentals of Balancing

Equations

1. ___ SiO_2 + ___ C \rightarrow ___ SiC + ___ CO
2. ___ H_2S + ___ O_2 \rightarrow ___ SO_2 + ___ H_2O
3. ___ Mg + ___ N_2 \rightarrow ___ Mg_3N_2
4. ___ SO_3 + ___ H_2O \rightarrow ___ H_2SO_4
5. ___ CaC_2 + ___ N_2 \rightarrow ___ CaCN_2 + ___ C

Section 2: Advanced Balancing Challenges

1. ___ C_6H_6 + ___ Br_2 \rightarrow ___ $\text{C}_6\text{H}_5\text{Br}$ + ___ HBr
2. ___ C_2H_2 + ___ Cl_2 \rightarrow ___ $\text{C}_2\text{H}_2\text{Cl}_2$
3. ___ Fe_2O_3 + ___ CO \rightarrow ___ Fe + ___ CO_2
4. ___ NH_3 + ___ O_2 \rightarrow ___ NO + ___ H_2O
5. ___ KClO_3 \rightarrow ___ KCl + ___ O_2