

# Balancing Equations Worksheet

A. Balance the following equations.

1.  $\text{Na} + \text{O}_2 \rightarrow \text{Na}_2\text{O}$
2.  $\text{K} + \text{Cl}_2 \rightarrow \text{KCl}$
3.  $\text{Al} + \text{Br}_2 \rightarrow \text{AlBr}_3$
4.  $\text{Li} + \text{S} \rightarrow \text{Li}_2\text{S}$
5.  $\text{Mg} + \text{N}_2 \rightarrow \text{Mg}_3\text{N}_2$
6.  $\text{Na} + \text{H}_2\text{O} \rightarrow \text{NaOH} + \text{H}_2$
7.  $\text{O}_3 \rightarrow \text{O}_2$
8.  $\text{Al}_2\text{O}_3 \rightarrow \text{Al} + \text{O}_2$
9.  $\text{P}_4 + \text{O}_2 \rightarrow \text{P}_4\text{O}_{10}$
10.  $\text{FeS}_2 + \text{O}_2 \rightarrow \text{Fe}_2\text{O}_3 + \text{SO}_2$

B. Write and balance the following word equations.

1. iron + oxygen  $\rightarrow$  iron(III) oxide

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2. nitrogen + hydrogen  $\rightarrow$  ammonia ( $\text{NH}_3$ )

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3. barium chloride + magnesium sulfate  $\rightarrow$  barium sulfate + magnesium chloride

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Balance each of the following equations:

