Blackline Master 6.5c

Balancing Equations Worksheet

A. Balance the following equations.

1. $Na + O_2 \rightarrow Na_2O$
2. $K + Cl_2 \rightarrow KCl$
3. $Al + Br_2 \rightarrow AlBr_3$
4. $Li + S \rightarrow Li_2S$
5. $Mg + N_2 \rightarrow Mg_3N_2$
6. $Na + H_2O \rightarrow NaOH + H_2$
7. $O_3 \rightarrow O_2$
8. $Al_2O_3 \rightarrow Al + O_2$
9. $P_4 + O_2 \rightarrow P_4O_{10}$
10. $FeS_2 + O_2 \rightarrow Fe_2O_3 + SO_2$

B. Write and balance the following word equations.

1. iron + oxygen → iron(III) oxide

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2. nitrogen + hydrogen → ammonia (NH_3)

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3. barium chloride + magnesium sulfate → barium sulfate + magnesium chloride

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