Balancing Chemical Equations Worksheet 2 Answer Key

1)
$$\frac{4}{9} P + \frac{5}{9} O_2 \rightarrow \frac{2}{9} P_2 O_5$$

2)
$$S_8 + 12 O_2 \rightarrow 8 SO_3$$

3)
$$S_8 + 8 O_2 \rightarrow 8 SO_2$$

4)
$$BaCl_2 + H_2SO_4 \rightarrow BaSO_4 + 2 HCI$$

5)
$$2 \text{ NH}_3 + \text{H}_2 \text{SO}_4 \rightarrow (\text{NH}_4)_2 \text{ SO}_4$$

6)
$$\underline{2} \text{ Na}_3 \text{PO}_4 + \underline{3} \text{ CaCl}_2 \rightarrow \underline{6} \text{ NaCl} + \text{Ca}_3(\text{PO}_4)_2$$

7)
$$\underline{2} \text{ AlBr}_3 + \underline{3} \text{ K}_2 \text{SO}_4 \rightarrow \underline{6} \text{ KBr} + \text{Al}_2 (\text{SO}_4)_3$$

8) 2 NaNO₃ + PbO
$$\rightarrow$$
 Pb(NO₃)₂ + Na₂O

9) 2 AgNO₃ + Cu
$$\rightarrow$$
 Cu(NO₃)₂ + 2 Ag

10)
$$HNO_3 + NaHCO_3 \rightarrow NaNO_3 + H_2O + CO_2$$

11)
$$3 \text{ Li}_2 \text{SO}_4 + 2 \text{ K}_3 \text{PO}_4 \rightarrow 2 \text{ Li}_3 \text{PO}_4 + 3 \text{ K}_2 \text{SO}_4$$

12)
$$\underline{2}$$
 HCN + CuSO₄ \rightarrow H₂SO₄ + Cu(CN)₂

13)
$$P_4 + 3 O_2 \rightarrow 2 P_2O_3$$

14)
$$Fe_2(SO_4)_3 + \frac{6}{5} KOH \rightarrow \frac{3}{5} K_2SO_4 + \frac{2}{5} Fe(OH)_3$$

15)
$$\frac{2}{2}$$
 H₃PO₄ \rightarrow H₄P₂O₇ + H₂O