Balancing Chemical Equations Worksheet

3.
$$S_8 + 12 O_2 \rightarrow 8 SO_3$$

4.
$$2 N_2 + 0_2 \rightarrow 2 N_20$$

5.
$$2 \text{ HgO} \rightarrow 2 \text{ Hg} + 0_2$$

6.
$$\underline{-6}$$
 CO₂ + $\underline{-6}$ H₂O \Rightarrow $\underline{-}$ C₆H₁₂O₆ + $\underline{-6}$ O₂

7.
$$Zn + Z HCI \rightarrow ZnCl_2 + H_2$$

9.
$$_{2}$$
 Na + $_{2}$ H₂O \rightarrow $_{2}$ NaOH + $_{1}$ H₂

10.
$$2 H_3PO_4 \rightarrow H_4P_2O_7 + H_2O_7$$

12. ____
$$CO_2$$
 + ____ $NH_3 \rightarrow$ ____ $OC(NH_2)_2$ + ____ H_2O

13.
$$4 \text{ Si}_2\text{H}_3 + 70 \text{ O}_2 \rightarrow 8 \text{ SiO}_2 + 6 \text{ H}_2\text{O}_3$$

14.
$$2 \text{ Al}(OH)_3 + 3 \text{ H}_2SO_4 \rightarrow Al_2(SO_4)_3 + 6 \text{ H}_2O$$

16. ____ Fe₂(SO₄)₃ + ___6_ KOH
$$\rightarrow$$
 ___3_ K₂SO₄ + ___2_ Fe(OH)₃

17.
$$2 C_7H_6O_2 + 15 O_2 \rightarrow 14 CO_2 + 5 H_2O$$

19. _____ FeS₂ + _____ O₂
$$\rightarrow$$
 _____ Fe₂O₃ + _____ SO₂

21. ____ Fe₂O₃ + __3_ H₂
$$\rightarrow$$
 __2_ Fe + __3_ H₂O

22. ____ Na₂CO₃ + __2_ HCl
$$\rightarrow$$
 2 NaCl + ____ H₂O + ____ CO₂

24. ____
$$C_7H_{16} + //_ O_2 \rightarrow //_ CO_2 + //_ H_2O$$

25.
$$P_4 + 5 O_2 \rightarrow 2 P_2O_5$$

Balancing Equations Chemistry 101 Answers

Peter Demmin

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