



BALANCE THE GIVEN CHEMICAL EQUATIONS

Worksheet - 69

1. $C_6H_{12}O_6 + \text{ ____ } O_2 = 6 CO_2 + \text{ ____ } H_2O$
2. $Na_2 + \text{ ____ } H_2O = \text{ ____ } NaOH + H_2$
3. $\text{ ____ } P + 5 O_2 = \text{ ____ } P_2O_5$
4. $2 C_4H_{10} + \text{ ____ } O_2 = 8 CO_2 + \text{ ____ } H_2O$
5. $\text{ ____ } Na + 2 H_2O = \text{ ____ } NaOH + H_2$
6. $\text{ ____ } N_2O_5 = \text{ ____ } N_2O_4 + O_2$
7. $C_3H_8 + \text{ ____ } O_2 = 3 CO_2 + \text{ ____ } H_2O$
8. $\text{ ____ } P + 5 O_2 = \text{ ____ } P_2O_5$
9. $H_2SO_4 + \text{ ____ } NaBH_4 = \text{ ____ } H_2 + Na_2SO_4 + B_2H_6$
10. $\text{ ____ } NaN_3(s) = \text{ ____ } Na(s) + 3 N_2(g)$
11. $\text{ ____ } Cr(s) + 3 O_2(g) = \text{ ____ } Cr_2O_3(s)$
12. $2 Sb + \text{ ____ } Cl_2 = \text{ ____ } SbCl_3$
13. $\text{ ____ } Pb(NO_3)_2 = 2 PbO + \text{ ____ } NO_2 + O_2$
14. $4 NH_3 + \text{ ____ } O_2 = 4 NO + \text{ ____ } H_2O$
15. $\text{ ____ } HCl + O_2 = 2 Cl_2 + \text{ ____ } H_2O$
16. $2 Al + \text{ ____ } NaOH = 2 NaAlO_2 + \text{ ____ } H_2 + 2 Na_2O$
17. $4 NH_3 + \text{ ____ } O_2 = 4 NO + \text{ ____ } H_2O$
18. $\text{ ____ } PbS + 3 O_2 = 2 PbO + \text{ ____ } SO_2$
19. $\text{ ____ } AgNO_3 + CuCl_2 = \text{ ____ } AgCl + Cu(NO_3)_2$
20. $S + \text{ ____ } HNO_3 = H_2SO_4 + \text{ ____ } NO_2 + 2 H_2O$



ANSWERS

1. $C_6H_{12}O_6 + 6 O_2 = 6 CO_2 + 6 H_2O$
2. $Na_2 + 2 H_2O = 2 NaOH + H_2$
3. $4 P + 5 O_2 = 2 P_2O_5$
4. $2 C_4H_{10} + 13 O_2 = 8 CO_2 + 10 H_2O$
5. $2 Na + 2 H_2O = 2 NaOH + H_2$
6. $2 N_2O_5 = 2 N_2O_4 + O_2$
7. $C_3H_8 + 5 O_2 = 3 CO_2 + 4 H_2O$
8. $4 P + 5 O_2 = 2 P_2O_5$
9. $H_2SO_4 + 2 NaBH_4 = 2 H_2 + Na_2SO_4 + B_2H_6$
10. $2 NaN_3(s) = 2 Na(s) + 3 N_2(g)$
11. $4 Cr(s) + 3 O_2(g) = 2 Cr_2O_3(s)$
12. $2 Sb + 3 Cl_2 = 2 SbCl_3$
13. $2 Pb(NO_3)_2 = 2 PbO + 4 NO_2 + O_2$
14. $4 NH_3 + 5 O_2 = 4 NO + 6 H_2O$
15. $4 HCl + O_2 = 2 Cl_2 + 2 H_2O$
16. $2 Al + 6 NaOH = 2 NaAlO_2 + 3 H_2 + 2 Na_2O$
17. $4 NH_3 + 5 O_2 = 4 NO + 6 H_2O$
18. $2 PbS + 3 O_2 = 2 PbO + 2 SO_2$
19. $2 AgNO_3 + CuCl_2 = 2 AgCl + Cu(NO_3)_2$
20. $S + 6 HNO_3 = H_2SO_4 + 6 NO_2 + 2 H_2O$



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