BALANCE THE GIVEN CHEMICAL EQUATIONS

Worksheet - 63

1. _____ $Na + 2\ H_2O$ = _____ $NaOH + H_2$
2. _____ $H_2SO_4 + Pb(OH)_4 = Pb(SO_4)_2$ + _____ H_2O
3. $2\ FeCl_3$ + _____ $Na_2CO_3 = Fe_2(CO_3)_3$ + _____ NaCl
4. $2\ CH_3CH_3$ + _____ O_2 = _____ $CO_2 + 6\ H_2O$
5. Al_2S_3 + _____ $H_2O = 2\ Al(OH)_3$ + _____ H_2S
6. $2\ C_8H_{18}$ + _____ $O_2 = 16\ CO_2$ + _____ H_2O
7. C_2 + _____ O_2 = _____ CO_2
8. _____ $Cl + 3\ H_2O$ = _____ $HCl + HClO_3$
9. $2\ C_8H_{18}$ + _____ $O_2 = 16\ CO_2$ + _____ H_2O
10. $2\ C_6H_{14}$ + _____ O_2 = _____ $CO_2 + 14\ H_2O$
11. _____ $CA + 2\ H_2O$ = _____ $CAOH + H_2$
12. $4\ NH_3$ + _____ O_2 = _____ $N_2 + 6\ H_2O$
13. _____ $NH_3 + 5\ O_2$ = _____ $NO + 6\ H_2O$
14. C_7H_{16} + _____ $O_2 = 7\ CO_2$ + _____ H_2O
15. _____ $C_6H_8O_7 + 9\ O_2$ = _____ $CO_2 + 8\ H_2O$
16. _____ $C_2H_6 + 7\ O_2$ = _____ $H_2O + 4\ CO_2$
17. Zn_3N_2 + _____ $Na_2S = 3\ ZnS$ + _____ Na_3N
18. $C_7H_8O_2(l)$ + _____ $O_2(g)$ = _____ $CO_2(g) + 4\ H_2O(g)$
19. _____ $HCl + Ca(OH)_2 = CaCl_2$ + _____ H_2O
20. _____ $ZnS + 3\ O_2 = 2\ SO_2$ + _____ ZnO

ANSWERS

1. $2\ Na + 2\ H_2O = 2\ NaOH + H_2$
2. $2\ H_2SO_4 + Pb(OH)_4 = Pb(SO_4)_2 + 4\ H_2O$
3. $2\ FeCl_3 + 3\ Na_2CO_3 = Fe_2(CO_3)_3 + 6\ NaCl$
4. $2\ CH_3CH_3 + 7\ O_2 = 4\ CO_2 + 6\ H_2O$
5. $Al_2S_3 + 6\ H_2O = 2\ Al(OH)_3 + 3\ H_2S$
6. $2\ C_8H_{18} + 25\ O_2 = 16\ CO_2 + 18\ H_2O$
7. $C_2 + 2\ O_2 = 2\ CO_2$
8. $6\ Cl + 3\ H_2O = 5\ HCl + HClO_3$
9. $2\ C_8H_{18} + 25\ O_2 = 16\ CO_2 + 18\ H_2O$
10. $2\ C_6H_{14} + 19\ O_2 = 12\ CO_2 + 14\ H_2O$
11. $2\ CA + 2\ H_2O = 2\ CAOH + H_2$
12. $4\ NH_3 + 3\ O_2 = 2\ N_2 + 6\ H_2O$
13. $4\ NH_3 + 5\ O_2 = 4\ NO + 6\ H_2O$
14. $C_7H_{16} + 11\ O_2 = 7\ CO_2 + 8\ H_2O$
15. $2\ C_6H_8O_7 + 9\ O_2 = 12\ CO_2 + 8\ H_2O$
16. $2\ C_2H_6 + 7\ O_2 = 6\ H_2O + 4\ CO_2$
17. $Zn_3N_2 + 3\ Na_2S = 3\ ZnS + 2\ Na_3N$
18. $C_7H_8O_2(l) + 8\ O_2(g) = 7\ CO_2(g) + 4\ H_2O(g)$
19. $2\ HCl + Ca(OH)_2 = CaCl_2 + 2\ H_2O$
20. $2\ ZnS + 3\ O_2 = 2\ SO_2 + 2\ ZnO$

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