



BALANCE THE GIVEN CHEMICAL EQUATIONS

Worksheet - 94

- $C_7H_{16}(g) + \underline{\quad} O_2(g) = 7 CO_2(g) + \underline{\quad} H_2O(g)$
- $\underline{\quad} Ba + 3 O_2 + 2 C = \underline{\quad} BaCO_3$
- $\underline{\quad} HCl + Ba = BaCl_2 + \underline{\quad} H$
- $KIO_3 + \underline{\quad} KI + 3 H_2SO_4 = 3 I_2 + \underline{\quad} K_2SO_4 + 3 H_2O$
- $\underline{\quad} I^{-} + H_2O_2 + 2 H^{+} = I_2 + \underline{\quad} H_2O$
- $\underline{\quad} Pb(NO_3)_2 = \underline{\quad} PbO + 4 NO_2 + O_2$
- $2 CH_3OH + \underline{\quad} O_2 = 4 H_2O + \underline{\quad} CO_2$
- $FeO_3 + \underline{\quad} CO = Fe + \underline{\quad} CO_2$
- $P_4O_{10} + \underline{\quad} H_2O = \underline{\quad} H_3PO_4$
- $\underline{\quad} CaH + 4 H_2O = \underline{\quad} Ca(OH)_2 + 3 H_2$
- $20 NH_3 + \underline{\quad} CO_2 = \underline{\quad} C_0(NH_2)_2 + H_{20}$
- $\underline{\quad} C_4H_5NO_4 + 17 O_2 = \underline{\quad} CO_2 + 4 NO_2 + 10 H_2O$
- $\underline{\quad} HgO = \underline{\quad} Hg + O_2$
- $2 AsF_3 + \underline{\quad} CCl_4 = 2 AsCl_3 + \underline{\quad} CCl_2F_2$
- $10 SiCl_4 + \underline{\quad} H_2O = 5 SiO_2 + \underline{\quad} HCl$
- $\underline{\quad} Mn_3O_4 + 8 Al = \underline{\quad} Mn + 4 Al_2O_3$
- $2 AlBr_3 + \underline{\quad} K_2SO_4 = \underline{\quad} KBr + Al_2(SO_4)_3$
- $\underline{\quad} Zn + 8 HNO_3 = \underline{\quad} Zn(NO_3)_2 + 2 NO + 4 H_2O$
- $4 NH_3 + \underline{\quad} O_2 = \underline{\quad} NO + 6 H_2O$
- $\underline{\quad} KClO_3 = 2 KCl + \underline{\quad} O_2$



ANSWERS

1. $C_7H_{16}(g) + 11 O_2(g) = 7 CO_2(g) + 8 H_2O(g)$
2. $2 Ba + 3 O_2 + 2 C = 2 BaCO_3$
3. $2 HCl + Ba = BaCl_2 + 2 H$
4. $KIO_3 + 5 KI + 3 H_2SO_4 = 3 I_2 + 3 K_2SO_4 + 3 H_2O$
5. $2 I^{(-)} + H_2O_2 + 2 H^{(+)} = I_2 + 2 H_2O$
6. $2 Pb(NO_3)_2 = 2 PbO + 4 NO_2 + O_2$
7. $2 CH_3OH + 3 O_2 = 4 H_2O + 2 CO_2$
8. $FeO_3 + 3 CO = Fe + 3 CO_2$
9. $P_4O_{10} + 6 H_2O = 4 H_3PO_4$
10. $2 CaH + 4 H_2O = 2 Ca(OH)_2 + 3 H_2$
11. $20 NH_3 + 5 CO_2 = 10 C_0(NH_2)_2 + H_{20}$
12. $4 C_4H_5NO_4 + 17 O_2 = 16 CO_2 + 4 NO_2 + 10 H_2O$
13. $2 HgO = 2 Hg + O_2$
14. $2 AsF_3 + 3 CCl_4 = 2 AsCl_3 + 3 CCl_2F_2$
15. $10 SiCl_4 + 2 H_{20} = 5 SiO_2 + 40 HCl$
16. $3 Mn_3O_4 + 8 Al = 9 Mn + 4 Al_2O_3$
17. $2 AlBr_3 + 3 K_2SO_4 = 6 KBr + Al_2(SO_4)_3$
18. $3 Zn + 8 HNO_3 = 3 Zn(NO_3)_2 + 2 NO + 4 H_2O$
19. $4 NH_3 + 5 O_2 = 4 NO + 6 H_2O$
20. $2 KClO_3 = 2 KCl + 3 O_2$



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