



BALANCE THE GIVEN CHEMICAL EQUATIONS

Worksheet - 97

1. $\text{Sr}(\text{OH})_2 + \text{HI} = \text{SrI}_2 + \text{HOH}$
2. $\text{Sn} + \text{O} + \text{H}_2\text{O} = \text{Sn}(\text{OH})$
3. $2 \text{Pb} + \text{H}_2\text{O} + \text{O}_2 = \text{Pb}(\text{OH})_2$
4. $\text{CaH}_2 + \text{H}_2\text{O} = \text{Ca}(\text{OH})_2 + \text{H}_2$
5. $\text{FeS} + 7 \text{O}_2 = \text{Fe}_2\text{O}_3 + 4 \text{SO}_2$
6. $\text{NaF} + \text{FeCl}_3 = \text{Na}_3\text{FeF}_6 + \text{NaCl}$
7. $\text{WO}_3 + \text{H}_2 = \text{W} + \text{H}_2\text{O}$
8. $\text{H}_2\text{SO}_4 + \text{LiOH} = \text{Li}_2\text{SO}_4 + \text{H}_2\text{O}$
9. $\text{CuFeS}_2 + 3 \text{O}_2 = \text{FeO} + 2 \text{CuS} + 2 \text{SO}_2$
10. $\text{Mg} + \text{S}_8 = \text{MgS}$
11. $2 \text{ICl}_3 + \text{H}_2\text{O} = \text{ICl} + \text{HIO}_3 + \text{HCl}$
12. $\text{C}_3\text{H}_6\text{O}_3 + \text{O}_2 = \text{CO}_2 + 3 \text{H}_2\text{O}$
13. $\text{Al} + 3 \text{H}_2\text{SO}_4 = \text{H}_2 + \text{Al}_2(\text{SO}_4)_3$
14. $\text{Be}_2\text{C} + \text{H}_2\text{O} = \text{Be}(\text{OH})_2 + \text{CH}_4$
15. $\text{Al} + 6 \text{HCl} = \text{AlCl}_3 + 3 \text{H}_2$
16. $\text{Ag}_2\text{S} + \text{RbBr} = \text{AgBr} + \text{Rb}_2\text{S}$
17. $\text{Si} + \text{HF} = \text{SiF}_4 + \text{H}_2$
18. $\text{In} + 3 \text{H}_2\text{SO}_4 = \text{In}_2(\text{SO}_4)_3 + \text{H}_2$
19. $2 \text{Al} + \text{F}_2 = \text{AlF}_3$
20. $\text{Ca}_3\text{P}_2 + \text{H}_2\text{O} = \text{Ca}(\text{OH})_2 + 2 \text{PH}_3$



ANSWERS

1. $\text{Sr}(\text{OH})_2 + 2 \text{HI} = \text{SrI}_2 + 2 \text{HOH}$
2. $2 \text{Sn} + \text{O} + \text{H}_2\text{O} = 2 \text{Sn}(\text{OH})$
3. $2 \text{Pb} + 2 \text{H}_2\text{O} + \text{O}_2 = 2 \text{Pb}(\text{OH})_2$
4. $\text{CaH}_2 + 2 \text{H}_2\text{O} = \text{Ca}(\text{OH})_2 + 2 \text{H}_2$
5. $4 \text{FeS} + 7 \text{O}_2 = 2 \text{Fe}_2\text{O}_3 + 4 \text{SO}_2$
6. $6 \text{NaF} + \text{FeCl}_3 = \text{Na}_3\text{FeF}_6 + 3 \text{NaCl}$
7. $\text{WO}_3 + 3 \text{H}_2 = \text{W} + 3 \text{H}_2\text{O}$
8. $\text{H}_2\text{SO}_4 + 2 \text{LiOH} = \text{Li}_2\text{SO}_4 + 2 \text{H}_2\text{O}$
9. $2 \text{CuFeS}_2 + 3 \text{O}_2 = 2 \text{FeO} + 2 \text{CuS} + 2 \text{SO}_2$
10. $8 \text{Mg} + \text{S}_8 = 8 \text{MgS}$
11. $2 \text{ICl}_3 + 3 \text{H}_2\text{O} = \text{ICl} + \text{HIO}_3 + 5 \text{HCl}$
12. $\text{C}_3\text{H}_6\text{O}_3 + 3 \text{O}_2 = 3 \text{CO}_2 + 3 \text{H}_2\text{O}$
13. $2 \text{Al} + 3 \text{H}_2\text{SO}_4 = 3 \text{H}_2 + \text{Al}_2(\text{SO}_4)_3$
14. $\text{Be}_2\text{C} + 4 \text{H}_2\text{O} = 2 \text{Be}(\text{OH})_2 + \text{CH}_4$
15. $2 \text{Al} + 6 \text{HCl} = 2 \text{AlCl}_3 + 3 \text{H}_2$
16. $\text{Ag}_2\text{S} + 2 \text{RbBr} = 2 \text{AgBr} + \text{Rb}_2\text{S}$
17. $\text{Si} + 4 \text{HF} = \text{SiF}_4 + 2 \text{H}_2$
18. $2 \text{In} + 3 \text{H}_2\text{SO}_4 = \text{In}_2(\text{SO}_4)_3 + 3 \text{H}_2$
19. $2 \text{Al} + 3 \text{F}_2 = 2 \text{AlF}_3$
20. $\text{Ca}_3\text{P}_2 + 6 \text{H}_2\text{O} = 3 \text{Ca}(\text{OH})_2 + 2 \text{PH}_3$



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