

Balancing Chemical Equations Worksheet

1. 2 H_2 + 1 $\text{O}_2 \rightarrow$ 2 H_2O
2. 1 N_2 + 3 $\text{H}_2 \rightarrow$ 2 NH_3
3. 1 S_8 + 12 $\text{O}_2 \rightarrow$ 8 SO_3
4. 2 N_2 + 1 $\text{O}_2 \rightarrow$ 2 N_2O
5. 2 $\text{HgO} \rightarrow$ 2 Hg + 1 O_2
6. 6 CO_2 + 6 $\text{H}_2\text{O} \rightarrow$ 1 $\text{C}_6\text{H}_{12}\text{O}_6$ + 6 O_2
7. 1 Zn + 2 $\text{HCl} \rightarrow$ 1 ZnCl_2 + 1 H_2
8. 1 SiCl_4 + 4 $\text{H}_2\text{O} \rightarrow$ 1 H_4SiO_4 + 4 HCl
9. 2 Na + 2 $\text{H}_2\text{O} \rightarrow$ 2 NaOH + 1 H_2
10. 2 $\text{H}_3\text{PO}_4 \rightarrow$ 1 $\text{H}_4\text{P}_2\text{O}_7$ + 1 H_2O
11. 1 $\text{C}_{10}\text{H}_{16}$ + 8 $\text{Cl}_2 \rightarrow$ 10 C + 16 HCl
12. 1 CO_2 + 2 $\text{NH}_3 \rightarrow$ 1 $\text{OC}(\text{NH}_2)_2$ + 1 H_2O
13. 4 Si_2H_3 + 17 $\text{O}_2 \rightarrow$ 8 SiO_2 + 6 H_2O_3
14. 2 $\text{Al}(\text{OH})_3$ + 3 $\text{H}_2\text{SO}_4 \rightarrow$ 1 $\text{Al}_2(\text{SO}_4)_3$ + 6 H_2O
15. 4 Fe + 3 $\text{O}_2 \rightarrow$ 2 Fe_2O_3
16. 1 $\text{Fe}_2(\text{SO}_4)_3$ + 6 $\text{KOH} \rightarrow$ 3 K_2SO_4 + 2 $\text{Fe}(\text{OH})_3$
17. 2 $\text{C}_7\text{H}_6\text{O}_2$ + 15 $\text{O}_2 \rightarrow$ 14 CO_2 + 6 H_2O
18. 1 H_2SO_4 + 8 $\text{HI} \rightarrow$ 1 H_2S + 4 I_2 + 4 H_2O
19. 4 FeS_2 + 11 $\text{O}_2 \rightarrow$ 2 Fe_2O_3 + 8 SO_2
20. 2 Al + 3 $\text{FeO} \rightarrow$ 1 Al_2O_3 + 3 Fe
21. 1 Fe_2O_3 + 3 $\text{H}_2 \rightarrow$ 2 Fe + 3 H_2O
22. 1 Na_2CO_3 + 2 $\text{HCl} \rightarrow$ 2 NaCl + 1 H_2O + 1 CO_2
23. 2 K + 1 $\text{Br}_2 \rightarrow$ 2 KBr
24. 1 C_7H_{16} + 11 $\text{O}_2 \rightarrow$ 7 CO_2 + 8 H_2O
25. 1 P_4 + 5 $\text{O}_2 \rightarrow$ 2 P_2O_5

Balancing Chemical Equations Answers

Crispin Collins



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