

Predicting Chemical Equations Worksheet

| | Complete the equation by predicting the products and balancing the equation | Type of Reaction |
|----|---|------------------|
| 1 | $\text{Al} + \text{S}_8 \Rightarrow$ | |
| 2 | $\text{PbO} \Rightarrow$ | |
| 3 | $\text{K} + \text{B}_2\text{O}_3 \Rightarrow$ | |
| 4 | $\text{C} + \text{S}_8 \Rightarrow$ | |
| 5 | $\text{HCl} + \text{NaOH} \Rightarrow$ | |
| 6 | $\text{Na} + \text{NaNO}_3 \Rightarrow$ | |
| 7 | $\text{Al}(\text{OH})_3 + \text{HBr} \Rightarrow$ | |
| 8 | $\text{Na} + \text{O}_2 \Rightarrow$ | |
| 9 | $\text{N}_2\text{O}_5 \Rightarrow$ | |
| 10 | $\text{H}_3\text{PO}_4 + \text{KOH} \Rightarrow$ | |
| 11 | $\text{NaOH} + \text{H}_2\text{CO}_3 \Rightarrow$ | |
| 12 | $\text{KOH} + \text{HBr} \Rightarrow$ | |
| 13 | $\text{H}_2\text{O}_2 \Rightarrow$ | |
| 14 | $\text{Rb} + \text{RbNO}_3 \Rightarrow$ | |
| 15 | $\text{C}_6\text{H}_6 + \text{O}_2 \Rightarrow$ | |
| 16 | $\text{Al}(\text{OH})_3 + \text{H}_2\text{CO}_3 \Rightarrow$ | |
| 17 | $\text{H}_2 + \text{O}_2 \Rightarrow$ | |
| 18 | $\text{C}_2\text{H}_5\text{OH} + \text{O}_2 \Rightarrow$ | |
| 19 | $\text{Cs} + \text{N}_2 \Rightarrow$ | |
| 20 | $\text{Li} + \text{AlCl}_3 \Rightarrow$ | |
| 21 | $\text{Mg} + \text{Cl}_2 \Rightarrow$ | |
| 22 | $\text{C}_{10}\text{H}_{22} + \text{O}_2 \Rightarrow$ | |
| 23 | $\text{NH}_3 \Rightarrow$ | |
| 24 | $\text{C} + \text{SO}_2 \Rightarrow$ | |
| 25 | $\text{C} + \text{O}_2 \Rightarrow$ | |
| 26 | $\text{Al}(\text{OH})_3 + \text{H}_2\text{SO}_4 \Rightarrow$ | |
| 27 | $\text{Na} + \text{O}_2 \Rightarrow$ | |
| 28 | $\text{Rb} + \text{S}_8 \Rightarrow$ | |
| 29 | $\text{Na} + \text{Cl}_2 \Rightarrow$ | |
| 30 | $\text{C}_3\text{H}_8 + \text{O}_2 \Rightarrow$ | |
| 31 | $\text{CaSO}_4 + \text{K}_3\text{PO}_4 \Rightarrow$ | |
| 32 | $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3 + \text{O}_2 \Rightarrow$ | |
| 33 | $\text{Li} + \text{H}_2\text{O} \Rightarrow$ | |
| 34 | $\text{NH}_4\text{OH} + \text{H}_3\text{PO}_4 \Rightarrow$ | |
| 35 | $\text{Rb} + \text{P} \Rightarrow$ | |
| 36 | $\text{CH}_4 + \text{O}_2 \Rightarrow$ | |
| 37 | $\text{NH}_3 + \text{HCl} \Rightarrow$ | |
| 38 | $\text{H}_3\text{PO}_4 + \text{Ca}(\text{OH})_2 \Rightarrow$ | |
| 39 | $\text{NH}_3 + \text{O}_2 \Rightarrow$ | |
| 40 | $\text{HgO} \Rightarrow$ | |