

- 1)  $\_ \text{Ag} + \_ \text{S} \rightarrow \_ \text{Ag}_2\text{S}$
- 2)  $\_ \text{C} + \_ \text{H}_2 \rightarrow \_ \text{CH}_4$
- 3)  $\_ \text{Na} + \_ \text{S} \rightarrow \_ \text{Na}_2\text{S}$
- 4)  $\_ \text{Ca} + \_ \text{C} \rightarrow \_ \text{CaC}_2$
- 5)  $\_ \text{Si} + \_ \text{Mg} \rightarrow \_ \text{Mg}_2\text{Si}$
- 6)  $\_ \text{Si} + \_ \text{Cl}_2 \rightarrow \_ \text{SiCl}_4$
- 7)  $\_ \text{Al} + \_ \text{Cr}_2\text{O}_3 \rightarrow \_ \text{Cr} + \_ \text{Al}_2\text{O}_3$
- 8)  $\_ \text{Fe}_2\text{O}_3 + \_ \text{Al} \rightarrow \_ \text{Al}_2\text{O}_3 + \_ \text{Fe}$
- 9)  $\_ \text{Mg} + \_ \text{N}_2 \rightarrow \_ \text{Mg}_3\text{N}_2$
- 10)  $\_ \text{Al} + \_ \text{C} \rightarrow \_ \text{Al}_4\text{C}_3$
- 11)  $\_ \text{Ca} + \_ \text{P} \rightarrow \_ \text{Ca}_3\text{P}_2$
- 12)  $\_ \text{Al} + \_ \text{S} \rightarrow \_ \text{Al}_2\text{S}_3$
- 13)  $\_ \text{Fe} + \_ \text{O}_2 \rightarrow \_ \text{Fe}_3\text{O}_4$
- 14)  $\_ \text{Ca} + \_ \text{N}_2 \rightarrow \_ \text{Ca}_3\text{N}_2$
- 15)  $\_ \text{CaO} + \_ \text{C} \rightarrow \_ \text{CaC}_2 + \_ \text{CO}$

- 1)  $\_ \text{H}_2 + \_ \text{Cl}_2 \rightarrow \_ \text{HCl}$
- 2)  $\_ \text{N}_2 + \_ \text{O}_2 \rightarrow \_ \text{NO}$
- 3)  $\_ \text{CO}_2 + \_ \text{C} \rightarrow \_ \text{CO}$
- 4)  $\_ \text{HI} \rightarrow \_ \text{H}_2 + \_ \text{I}_2$
- 5)  $\_ \text{Mg} + \_ \text{HCl} \rightarrow \_ \text{MgCl}_2 + \_ \text{H}_2$
- 6)  $\_ \text{FeS} + \_ \text{HCl} \rightarrow \_ \text{FeCl}_2 + \_ \text{H}_2\text{S}$
- 7)  $\_ \text{Zn} + \_ \text{HCl} \rightarrow \_ \text{ZnCl}_2 + \_ \text{H}_2$
- 8)  $\_ \text{Br}_2 + \_ \text{KI} \rightarrow \_ \text{KBr} + \_ \text{I}_2$
- 9)  $\_ \text{Si} + \_ \text{HF}_{(r)} \rightarrow \_ \text{SiF}_4 + \_ \text{H}_2$
- 10)  $\_ \text{HCl} + \_ \text{Na}_2\text{CO}_3 \rightarrow \_ \text{CO}_2 + \_ \text{H}_2\text{O} + \_ \text{NaCl}$
- 11)  $\_ \text{KClO}_3 + \_ \text{S} \rightarrow \_ \text{KCl} + \_ \text{SO}_2$
- 12)  $\_ \text{Cl}_2 + \_ \text{KBr} \rightarrow \_ \text{KCl} + \_ \text{Br}_2$
- 13)  $\_ \text{SiO}_2 + \_ \text{C} \rightarrow \_ \text{Si} + \_ \text{CO}$
- 14)  $\_ \text{SiO}_2 + \_ \text{C} \rightarrow \_ \text{SiC} + \_ \text{CO}$
- 15)  $\_ \text{Mg} + \_ \text{SiO}_2 \rightarrow \_ \text{Mg}_2\text{Si} + \_ \text{MgO}$
- 16)  $\_ \text{Mg}_2\text{Si} + \_ \text{HCl} \rightarrow \_ \text{MgCl}_2 + \_ \text{SiH}_4$

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| 1) $\_ \text{HgO} \rightarrow \_ \text{Hg} + \_ \text{O}_2$                | 11) $\_ \text{Zn} + \_ \text{O}_2 \rightarrow \_ \text{ZnO}$                           |
| 2) $\_ \text{Mg} + \_ \text{O}_2 \rightarrow \_ \text{MgO}$                | 12) $\_ \text{Fe} + \_ \text{Cl}_2 \rightarrow \_ \text{FeCl}_3$                       |
| 3) $\_ \text{H}_2 + \_ \text{O}_2 \rightarrow \_ \text{H}_2\text{O}$       | 13) $\_ \text{P} + \_ \text{O}_2 \rightarrow \_ \text{P}_2\text{O}_5$                  |
| 4) $\_ \text{Na} + \_ \text{Cl}_2 \rightarrow \_ \text{NaCl}$              | 14) $\_ \text{Al} + \_ \text{I}_2 \rightarrow \_ \text{AlI}_3$                         |
| 5) $\_ \text{CuO} + \_ \text{C} \rightarrow \_ \text{CO}_2 + \_ \text{Cu}$ | 15) $\_ \text{Li} + \_ \text{N}_2 \rightarrow \_ \text{Li}_3\text{N}$                  |
| 6) $\_ \text{Ca} + \_ \text{O}_2 \rightarrow \_ \text{CaO}$                | 16) $\_ \text{Fe} + \_ \text{O}_2 \rightarrow \_ \text{Fe}_2\text{O}_3$                |
| 7) $\_ \text{AgO} \rightarrow \_ \text{Ag} + \_ \text{O}_2$                | 17) $\_ \text{P} + \_ \text{Cl}_2 \rightarrow \_ \text{PCl}_3$                         |
| 8) $\_ \text{N}_2 + \_ \text{H}_2 \rightarrow \_ \text{NH}_3$              | 18) $\_ \text{P} + \_ \text{Cl}_2 \rightarrow \_ \text{PCl}_5$                         |
| 9) $\_ \text{Al} + \_ \text{Cl}_2 \rightarrow \_ \text{AlCl}_3$            | 19) $\_ \text{HCl} + \_ \text{O}_2 \rightarrow \_ \text{H}_2\text{O} + \_ \text{Cl}_2$ |
| 10) $\_ \text{H}_2\text{O} \rightarrow \_ \text{H}_2 + \_ \text{O}_2$      | 20) $\_ \text{Fe}_2\text{O}_3 + \_ \text{C} \rightarrow \_ \text{Fe} + \_ \text{CO}_2$ |