

Predicting Products Worksheet

- DR 1. calcium carbonate and lithium chloride $\text{CaCO}_3 + 2\text{LiCl} \rightarrow \text{Li}_2\text{CO}_3 + \text{CaCl}_2$
- D 2. potassium hydroxide $2\text{KOH} \rightarrow \text{H}_2\text{O} + \text{K}_2\text{O}$
- D 3. sodium oxide $2\text{Na}_2\text{O} \rightarrow \text{O}_2 + 4\text{Na}$
- DR 4. mercury (II) nitrate and sodium carbonate $\text{Hg}(\text{NO}_3)_2 + \text{Na}_2\text{CO}_3 \rightarrow 2\text{NaNO}_3 + \text{HgCO}_3$
- D 5. water $2\text{H}_2\text{O} \rightarrow \text{O}_2 + 2\text{H}_2$
- DR 6. ammonium nitrate and barium hydroxide $2\text{NH}_3\text{NO}_3 + \text{Ba}(\text{OH})_2 \rightarrow 2\text{NH}_3\text{OH} + \text{Ba}(\text{NO}_3)_2$
- DR 7. ammonium sulfate and calcium hydroxide $(\text{NH}_3)_2\text{SO}_4 + \text{Ca}(\text{OH})_2 \rightarrow \text{CaSO}_4 + 2\text{NH}_3\text{OH}$
- D 8. mercury (II) oxide $2\text{HgO} \rightarrow 2\text{Hg} + \text{O}_2$
- DR 9. ammonium phosphate and aluminum chloride $(\text{NH}_3)_3\text{PO}_4 + \text{AlCl}_3 \rightarrow \text{AlPO}_4 + 3\text{NH}_3\text{Cl}$
- S 10. calcium and oxygen $2\text{Ca} + \text{O}_2 \rightarrow 2\text{CaO}$
- DR 11. calcium chloride and ammonium hydroxide $\text{CaCl}_2 + 2\text{NH}_3\text{OH} \rightarrow 2\text{NH}_3\text{Cl} + \text{Ca}(\text{OH})_2$
- S 12. magnesium and sulfur $\text{Mg} + \text{S} \rightarrow \text{MgS}$
- SR 13. calcium and aluminum chloride $3\text{Ca} + 2\text{AlCl}_3 \rightarrow 3\text{CaCl}_2 + 2\text{Al}$
- DR 14. barium sulfate and calcium chloride $\text{BaSO}_4 + \text{CaCl}_2 \rightarrow \text{BaCl}_2 + \text{CaSO}_4$
- SR 15. silver and mercury (II) nitrate $\text{Ag} + \text{Hg}(\text{NO}_3)_2 \rightarrow \text{no reaction}$
- S 16. lithium and bromine $2\text{Li} + \text{Br}_2 \rightarrow 2\text{LiBr}$
- DR 17. sodium chloride and potassium chromate $2\text{NaCl} + \text{K}_2\text{CrO}_4 \rightarrow 2\text{KCl} + \text{Na}_2\text{CrO}_4$
- S 18. sodium and calcium $\text{Na} + \text{Ca} \rightarrow \text{no reaction}$