

Predicting products of chemical reactions

For each of the following reactions, determine what the products will be. Then balance the equation.

1. $\text{Ca}(\text{OH})_2 + \text{HF} \rightarrow$
2. $\text{Pb}(\text{NO}_3)_2 + \text{K}_2\text{CrO}_4 \rightarrow$
3. $\text{NaC}_2\text{H}_3\text{O}_2 + \text{H}_2\text{SO}_4 \rightarrow$
4. $\text{Cu}(\text{OH})_2 + \text{H}_3\text{PO}_4 \rightarrow$
5. $\text{AgNO}_3 + \text{Na}_2\text{CO}_3 \rightarrow$
6. $\text{Zn} + \text{H}_2\text{CO}_3 \rightarrow$
7. $\text{Pb}(\text{OH})_2 + \text{Hg}_2\text{S} \rightarrow$

8. Magnesium bromide + chlorine \rightarrow
9. Aluminum + iron (III) oxide \rightarrow
10. Silver nitrate + zinc chloride \rightarrow
11. Hydrogen peroxide \rightarrow
12. Zinc + hydrogen chloride \rightarrow
13. Hydrogen sulfate + sodium hydroxide \rightarrow
14. Sodium + hydrogen * \rightarrow
15. Acetic acid and copper \rightarrow