

Write word equations for the following reactions.

1. $\text{H}_2\text{O} \rightarrow \text{H}_2 + \text{O}_2$
2. $\text{C} + \text{Al}_2\text{O}_3 \rightarrow \text{Al} + \text{CO}_2$
3. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$
4. $\text{NH}_4\text{NO}_3 \rightarrow \text{N}_2\text{O} + \text{H}_2\text{O}$
5. $\text{NaBr} + \text{Cl}_2 \rightarrow \text{NaCl} + \text{Br}_2$
6. $\text{Sr} + \text{N}_2 \rightarrow \text{Sr}_3\text{N}_2$
7. $\text{K}_2\text{O} + \text{H}_2\text{O} \rightarrow \text{KOH}$
8. $\text{CH}_4 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$
9. $\text{FeO} + \text{O}_2 \rightarrow \text{Fe}_2\text{O}_3$
10. $\text{NaOH} + \text{H}_2\text{SO}_4 \rightarrow \text{Na}_2\text{SO}_4 + \text{H}_2\text{O}$

Write chemical equations for the following reactions.

11. Potassium reacts with bromine to form potassium bromide.
12. Iron (III) sulfide and water vapor are formed when hydrogen sulfide and iron (III) hydroxide react.
13. When scandium (III) oxide is put in water, scandium (III) hydroxide forms.
14. Calcium reacts with copper (II) nitrate to form calcium nitrate and copper metal.
15. Sodium reacts violently with water to produce sodium hydroxide and hydrogen.