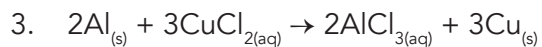
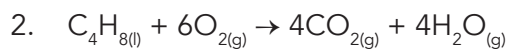
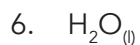
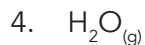


# Reaction Basics

Place a box around the reactants and a circle around the products for each reaction below.



Write the correct state for each item below.



Write each word equation as a formula equation.

9. A solid piece of zinc is placed in a solution of hydrochloric acid (HCl). It produces a solution of zinc chloride and hydrogen gas. (Hint: hydrogen is diatomic in its elemental form)

10. A solution of hydrogen peroxide decomposes into liquid water and oxygen gas.

11. Natural gas ( $\text{CH}_4$ ) burns in air ( $\text{O}_2$ ) to produce carbon dioxide and water vapor.