

## Chemical Equations

*Use each of the following descriptions to write a word equation & skeleton equation.*

- 1) Zinc and lead (II) nitrate solution react to form zinc nitrate in solution and solid lead.
- 2) A solution of aluminum bromide reacts with chlorine gas to form aluminum chloride in solution and liquid bromine.
- 3) Two solutions, sodium phosphate and calcium chloride react to form a precipitate of calcium phosphate and sodium chloride in solution.
- 4) Potassium metal and chlorine gas combine to form solid potassium chloride.
- 5) Aluminum and hydrochloric acid react to form aluminum chloride solution and hydrogen gas.
- 6) Calcium hydroxide and phosphoric acid are both solutions which react when combined to form a solution of calcium phosphate and water.
- 7) Copper and sulphuric acid react to form copper (II) sulphate in solution and water and sulfur dioxide which is a gas.
- 8) Hydrogen gas and nitrogen monoxide gas react to form water and nitrogen gas.