

# Balancing Word Equations

Write the following word equations as chemical equations and balance them.

- 1) water → hydrogen + oxygen
- 2) sodium phosphate + calcium chloride → calcium phosphate + sodium chloride
- 3) hydrogen + nitrogen monoxide → water + nitrogen
- 4) potassium oxide + water → potassium hydroxide
- 5) silicon dioxide + hydrofluoric acid → silicon tetrafluoride + water
- 6) aluminum sulfate + calcium hydroxide → aluminum hydroxide + calcium sulfate
- 7) lead (II) nitrate + sodium bromide → lead (II) bromide + sodium nitrate
- 8) lead (IV) sulfide + oxygen → lead (IV) oxide + sulfur dioxide
- 9) aluminum sulfate → aluminum oxide + sulfur trioxide
- 10) hydrogen chloride + calcium carbonate → calcium chloride + water + carbon dioxide

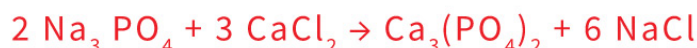
# Balancing Word Equations

## Answers

1) water → hydrogen + oxygen



2) sodium phosphate + calcium chloride → calcium phosphate + sodium chloride



3) hydrogen + nitrogen monoxide → water + nitrogen



4) potassium oxide + water → potassium hydroxide



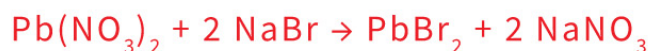
5) silicon dioxide + hydrofluoric acid → silicon tetrafluoride + water



6) aluminum sulfate + calcium hydroxide → aluminum hydroxide + calcium sulfate



7) lead (II) nitrate + sodium bromide → lead (II) bromide + sodium nitrate



8) lead (IV) sulfide + oxygen → lead (IV) oxide + sulfur dioxide



9) aluminum sulfate → aluminum oxide + sulfur trioxide



10) hydrogen chloride + calcium carbonate → calcium chloride + water + carbon dioxide

