

# Writing and Balancing Chemical Reactions

Write and balance the following chemical reactions.

- 1) Solid aluminum reacts with oxygen gas to produce solid aluminum oxide.
- 2) Propane reacts with oxygen to produce carbon dioxide and water.
- 3) Aluminum nitrate reacts with sodium hydroxide to form aluminum hydroxide and sodium nitrate.
- 4) Potassium nitrate decomposes to form potassium nitrite and oxygen.
- 5) Oxygen reacts with carbon sulfide to form carbon dioxide and sulfur dioxide.
- 6) Potassium chlorate decomposes to form potassium chloride and oxygen.
- 7) Barium fluoride reacts with potassium phosphate to form barium phosphate and potassium fluoride.
- 8) Hydrogen sulfate reacts with magnesium nitrate to form magnesium sulfate and hydrogen nitrate.
- 9) Solid aluminum reacts with hydrogen sulfate to form aluminum sulfate and hydrogen.
- 10) Tungsten oxide reacts with hydrogen to form tungsten and water.

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## Answers

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9) Solid aluminum reacts with hydrogen sulfate to form aluminum sulfate and hydrogen.



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