

## Complete & Incomplete Combustion

1. What is complete combustion?

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2. What is incomplete combustion?

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3. Which type of combustion gives out more energy?

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4. What is the general word equation for the complete combustion of a hydrocarbon?

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5. Write the word equation for when propane burns completely in air to form carbon dioxide and water.

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6. Write the balanced equation for when methane burns completely in air to form carbon dioxide and water.

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7. Write the balanced equation for when butane burns completely in air to form carbon dioxide and water.

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8. What is the word equation for the incomplete combustion of ethane in which water and carbon monoxide are the only products?

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9. In combustion, which element is always oxidised first?

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10. What is formed when hydrogen is oxidised?

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11. Explain why water is always formed in combustion no matter how much oxygen there is

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