

# Lesson 8 - Combustion

Chemistry - Key Stage 3

Energetics

Miss Charlton



Write the word equation for complete combustion



# Task

**Describe the test for carbon dioxide.**

Keywords to use:

- Colourless
- Limewater
- Cloudy
- Bubble



# Complete the table

	<b>Complete combustion</b>	<b>Incomplete combustion</b>
<b>Oxygen supply</b>	Good	Poor
<b>Products</b>		
<b>Colour of flame</b>		
<b>Soot produced</b>		
<b>Energy released</b>		

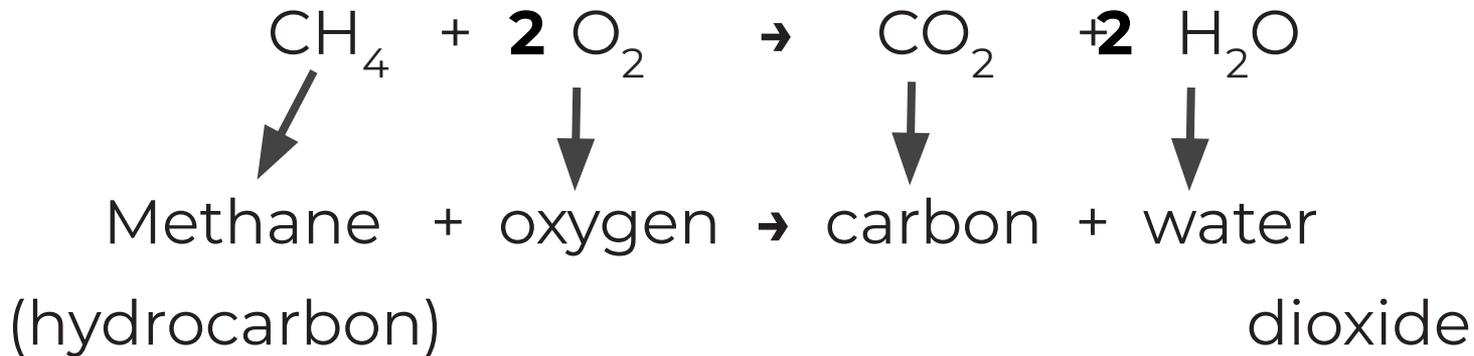


# Answers



## Write the word equation for complete combustion

6



# Test for carbon dioxide

Bubble the gas through colourless limewater, if it goes cloudy then the gas is carbon dioxide.

The reason the limewater goes cloudy/milky is due to the production of calcium carbonate.



## Complete the table

	<b>Complete combustion</b>	<b>Incomplete combustion</b>
<b>Oxygen supply</b>	Good	Poor
<b>Products</b>	Carbon dioxide and water	Carbon monoxide, carbon and water
<b>Colour of flame</b>	Blue	Orange
<b>Soot produced</b>	No	Yes
<b>Energy released</b>	High	Low

