

Lesson 8- Combustion

Chemistry- Key Stage 3

Energetics

Miss Charlton



Which gas is produced during incomplete combustion?

A

Carbon minoxide

B

Carbon dioxide

C

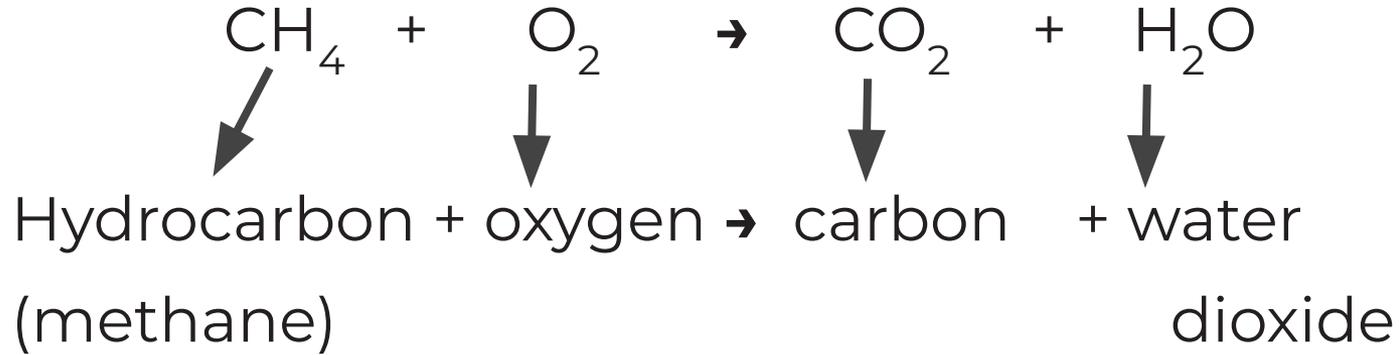
Helium

D

Carbon monoxide



Balance the complete combustion equation



Which flame does an open collar on a Bunsen burner produce?

A

Red flame

B

Roaring blue flame

C

Safety flame

D

Pink flame



Which gas is produced during complete combustion?

A

Carbonoxide

B

Carbon dioxide

C

Helium

D

Carbon monoxide



Complete the task

Describe the test for carbon dioxide

Keywords to use:

- **Colourless**
- **Limewater**
- **Cloudy**
- **Bubble**



Which flame does a closed collar on a Bunsen burner produce?

A

Red flame

B

Roaring blue flame

C

Safety flame

D

Pink flame



Complete the table

	Complete combustion	Incomplete combustion
Oxygen supply	Good	Poor
Products		
Colour of flame		
Soot produced		
Energy released		



Answers



Which gas is produced during incomplete combustion?

A

Carbon monoxide

B

Carbon dioxide

C

Helium

D

Carbon monoxide



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Test for carbon dioxide

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



Complete the table

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

