

8: Organic 1 – Topic questions

Paper 6

The questions in this document have been compiled from a number of past papers, as indicated in the table below.

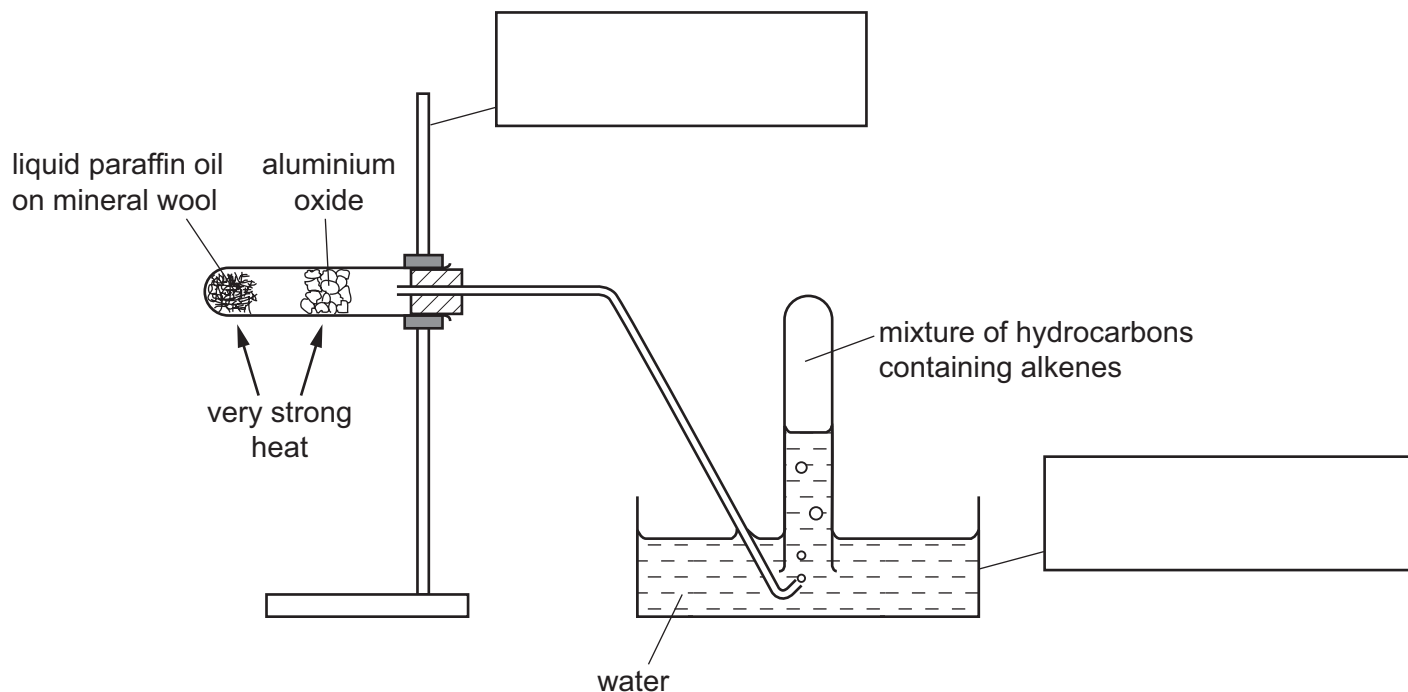
Use these questions to formatively assess your learners' understanding of this topic.

Question	Year	Series	Paper number
1	2016	November	63

The mark scheme for each question is provided at the end of the document.

You can find the complete question papers and the complete mark schemes (with additional notes where available) on the School Support Hub at www.cambridgeinternational.org/support

- 1 The diagram shows the apparatus used to crack paraffin oil. Paraffin oil vapour is passed over heated aluminium oxide to produce a mixture of hydrocarbons containing alkenes.



(a) Complete the boxes to name the apparatus. [2]

(b) What is the purpose of the mineral wool?

.....
..... [1]

(c) Give a test to show the presence of alkenes.

test
result [2]

(d) Why must the delivery tube be removed from the water when the heating is stopped?

..... [1]

[Total: 6]

Question	Answer	Mark
1 (a)	(clamp/retort) stand trough	1 1
1 (b)	to absorb/hold/keep/soak up/contain paraffin oil	1
1 (c)	M1 bromine (aqueous cyclohexane) M2 turns colourless/decolourised	1 1
1 (d)	to prevent suck back (of water)	1
		Total: 6