

Mark schemes

Q1.

(a) carbon

ignore C

1

hydrogen

ignore H

1

(b) 20

1

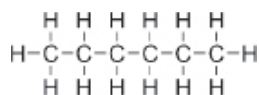
(c) C_nH_{2n+2}

1

(d) alkanes

1

(e)



1

(f) fuel

allow fossil fuel

1

(g) soot

1

carbon monoxide

1

(h) C_6H_{12}

1

(i) bar drawn to 84%

allow a tolerance of $\pm \frac{1}{2}$ a small square

1

bars labelled C / carbon

and

H / hydrogen

1

[12]

Q2.(a) **C****B****A***must be in this order*

1

(b) higher

1

lower

1

must be in this order

(c) scale labelled at 20, 30, 40, (50) % at 2 cm intervals

1

(K) bar drawn to 44%

allow a tolerance of $\pm \frac{1}{2}$ a small square

1

(d) contains more kerosene

allow K contains less kerosene

1

(e) a catalyst

1

steam

1

(f) $C_{11}H_{24}$

1

(g) a single bond between two carbon atoms

1

(h) carbon dioxide

1

water

1

[12]