

GCSE Chemistry B (Twenty First Century Science)
J258/01 Breadth in Chemistry (Foundation Tier)

Question Set 26

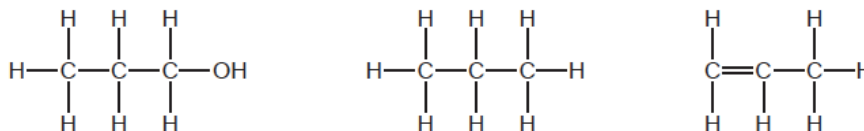
Multiple Choice Questions

1 Drinking cups can be made from poly(propene) or aluminium.

(a) Poly(propene) is made from propene. Propene has the structural formula:
 $\text{CH}_3\text{CH}=\text{CH}_2$.

(i) Which is the correct displayed formula for propene?

Put a ring around the correct answer.



[1]

(ii) Complete **Fig. 1.1** to show the repeating unit of poly(propene).

Use **one** term from the list.

H CH_3 C_3H_6

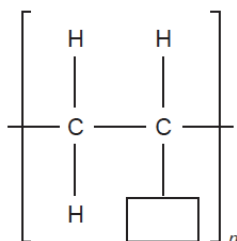


Fig 1.1

[1]

(b) Aluminium has a metallic structure.

(i) Label the metallic structure shown in **Fig. 1.2** by completing the boxes.

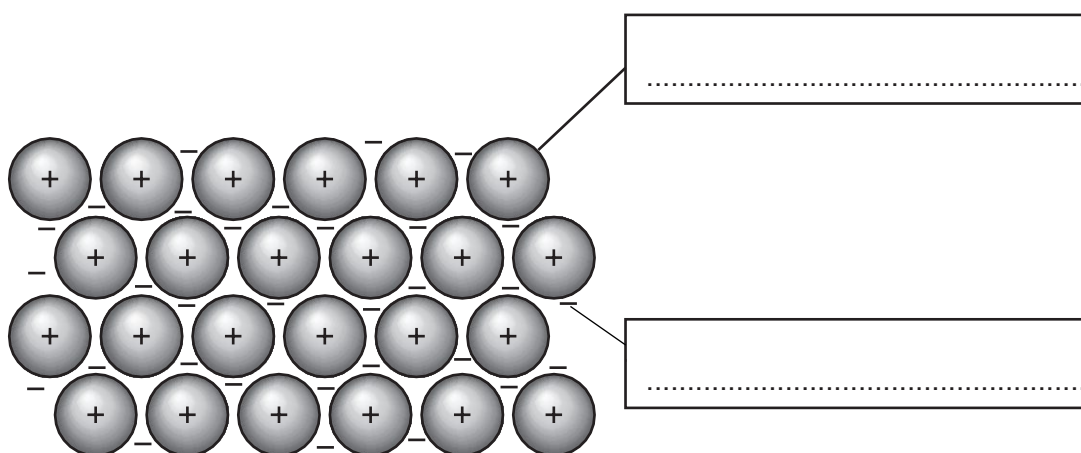


Fig 1.2

[2]

(ii) Complete the sentence to explain why aluminium conducts electricity.

Aluminium conducts electricity because it contains

..... which can move.

[1]

(c) Apart from cost, suggest **one** advantage of poly(propene) plastic drinking cups instead of aluminium metal drinking cups.

[1]

Total Marks for Question Set 26: 6

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