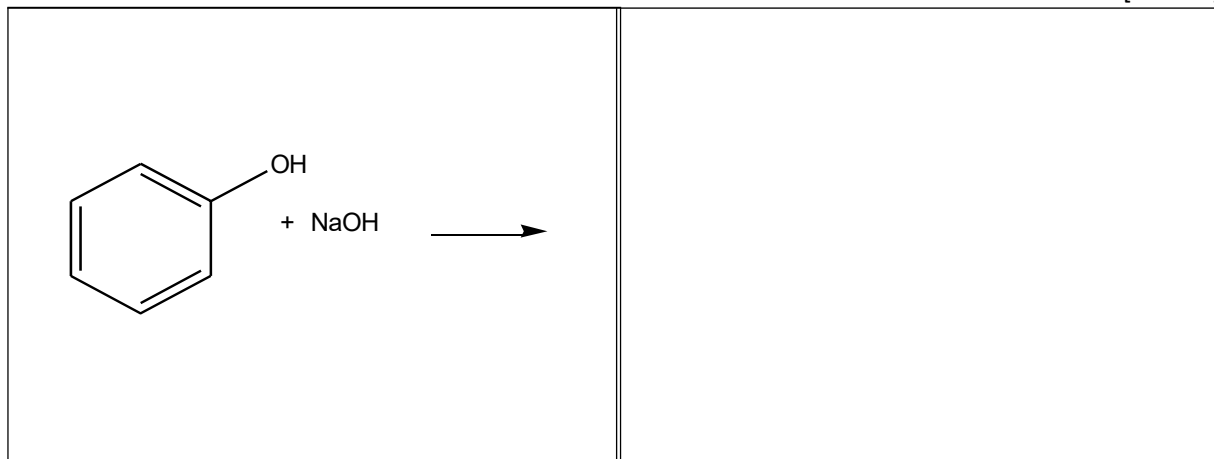


Q12 Alcohols, amines, related compounds

[1 + 4 + 2 = 7 marks]

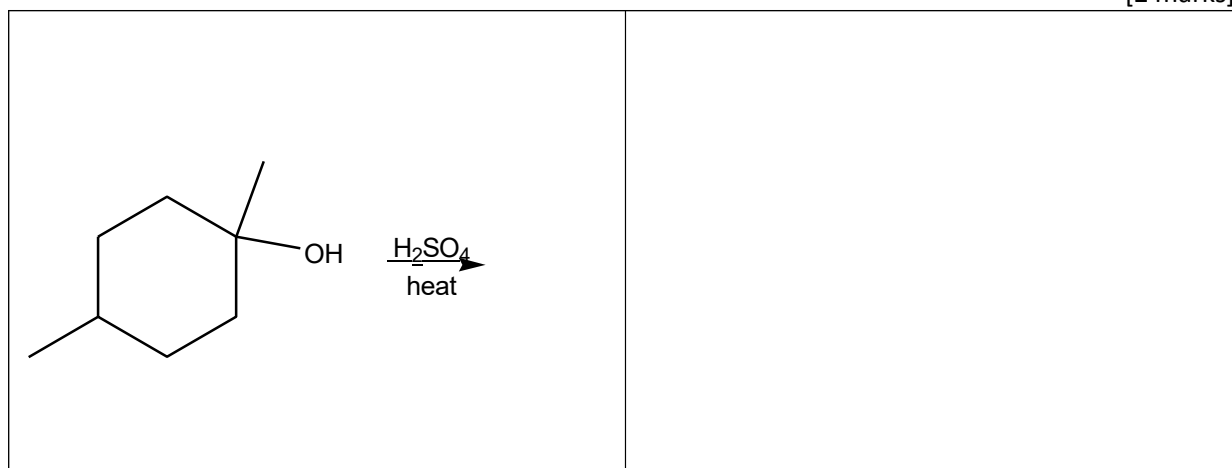
a) Draw the organic product of the following reaction:

[1 mark]



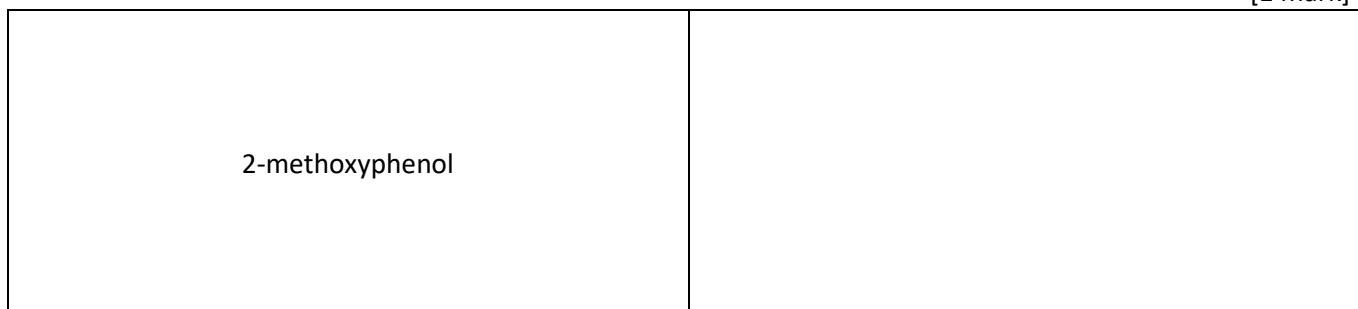
b) i) Draw the structure of the major organic product of the reaction of the following compound as indicated. You do not have to name the products.

[2 marks]



ii) Draw a line structure for the following compound:

[1 mark]



Diploma of Health Sciences
Diploma of Science
SLE155 Chemistry for the Professional Sciences

Q12 (continued) Alcohols, amines, related compounds

[1 + 4 + 2 = 7 marks]

- c) Assign the appropriate boiling point to each of the compounds shown below.

The boiling points are $-42\text{ }^{\circ}\text{C}$, $-24\text{ }^{\circ}\text{C}$, $78\text{ }^{\circ}\text{C}$ and $118\text{ }^{\circ}\text{C}$

Explain why you chose these boiling points.

[2 marks]

$\text{CH}_3\text{CH}_2\text{OH}$	CH_3OCH_3	$\text{CH}_3\text{CH}_2\text{CH}_3$	CH_3COOH