

Paper Reference(s) 1CH0/2F
Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Chemistry
Paper 2
Foundation Tier

Wednesday 10 June 2020 – Morning

Diagram Book

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

**THIS DIAGRAM BOOK *MUST* BE RETURNED WITH THE
QUESTION PAPER AT THE END OF THE EXAMINATION.**

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Question 1(d)

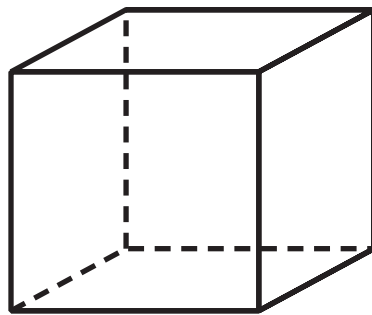
Figure 1

	concentration of carbon dioxide in ppm
January 2018	407·96
January 2019	410·83

Question 2(a)

Figure 2

	a composite	a glass	a metal
density	low	high	high
ability to conduct electricity	poor	poor	good
resistance to corrosion	good	good	poor

Question 2(b)(ii)**Figure 3**

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Question 3(a)(i)

$$\begin{array}{ccccc} \text{_____} & & \text{_____} & & \text{_____} & & \text{_____} \\ & & & & & & \\ & + & & \rightarrow & & + & \\ & & & & & & \\ \text{_____} & & \text{_____} & & \text{_____} & & \text{_____} \end{array}$$

Question 3(a)(i) (Spare copy)

$$\begin{array}{ccccc} \text{_____} & & \text{_____} & & \text{_____} & & \text{_____} \\ & & & & & & \\ & + & & \rightarrow & & + & \\ & & & & & & \\ \text{_____} & & \text{_____} & & \text{_____} & & \text{_____} \end{array}$$

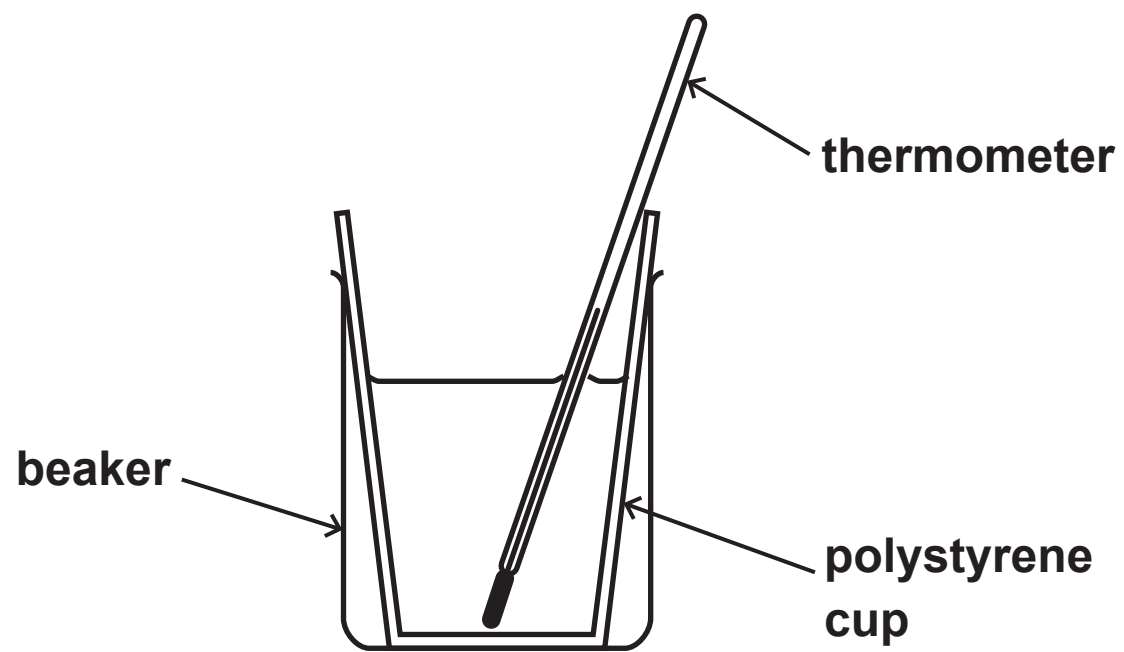
Question 3(a)(ii)

Figure 4

	reactants	products
total mass in g	21.7	21.7

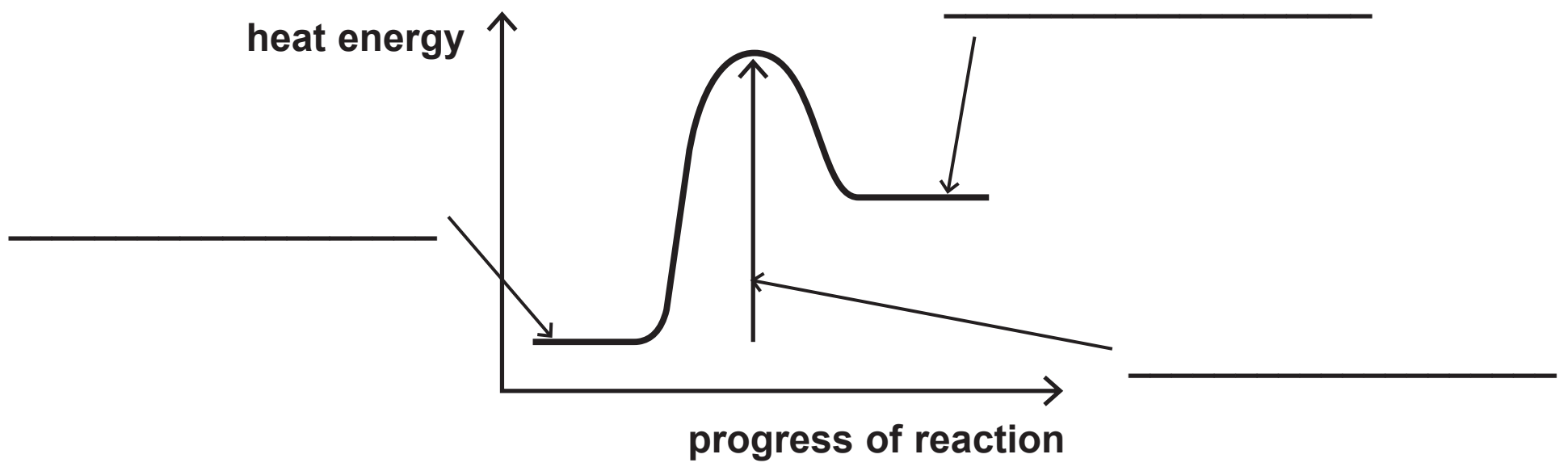
Question 3(b)

Figure 5



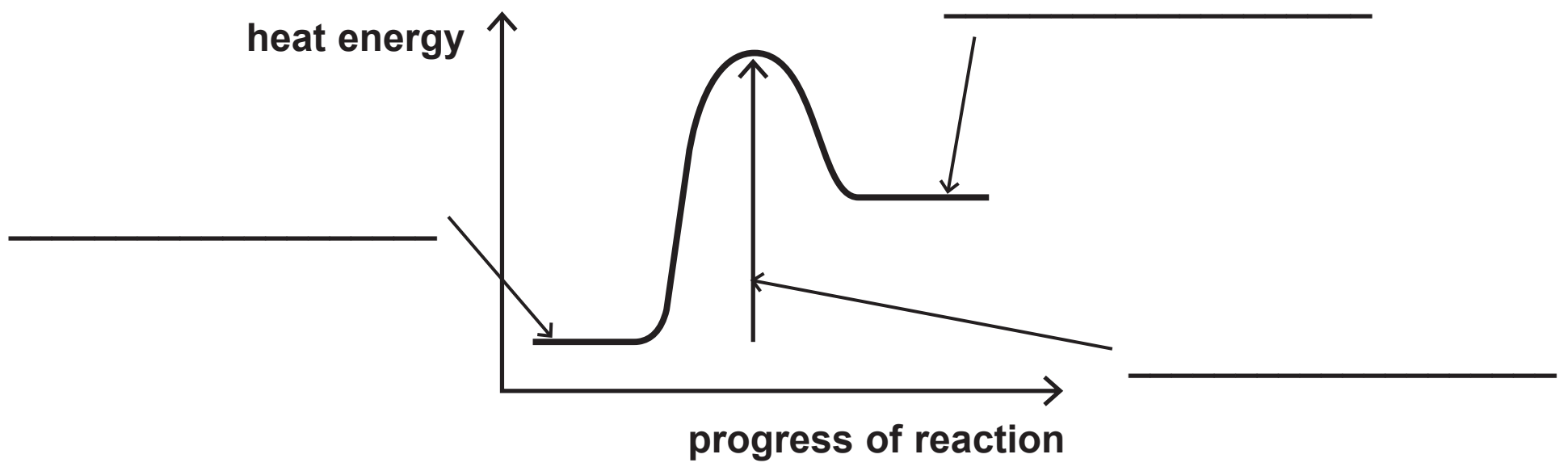
Question 3(b)(iv)

Figure 6



Question 3(b)(iv) (Spare copy)

Figure 6



Question 4(a)(ii)

METAL ION

FLAME COLOUR

calcium

green

yellow

lilac

potassium

orange-red

blue-green

Question 4(a)(ii) (Spare copy)

METAL ION

FLAME COLOUR

calcium

green

yellow

lilac

potassium

orange-red

blue-green

Question 4(b)(i)

SOLUTION

solution of **P**solution of **Q**

ANION

bromide

carbonate

chloride

iodide

sulfate

Question 4(b)(i) (Spare copy)

SOLUTION

solution of **P**solution of **Q**

ANION

bromide

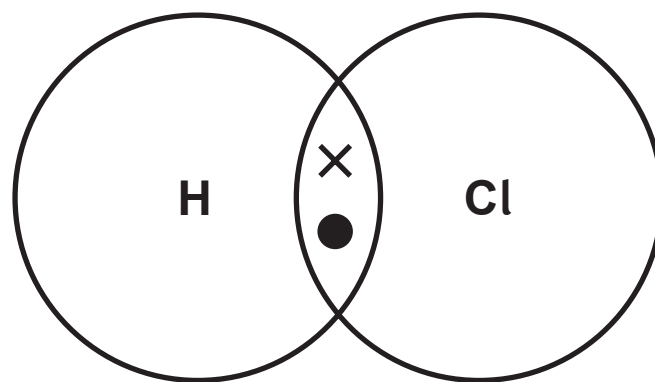
carbonate

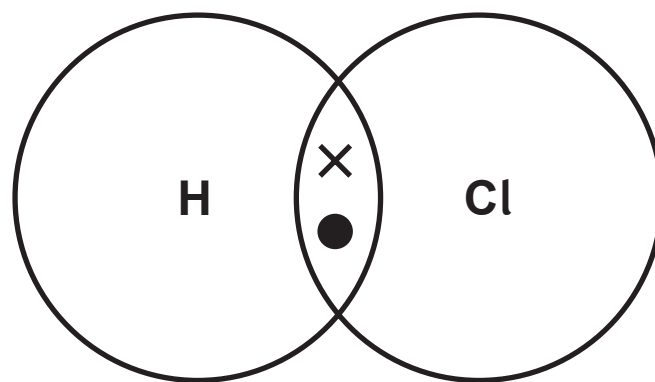
chloride

iodide

sulfate

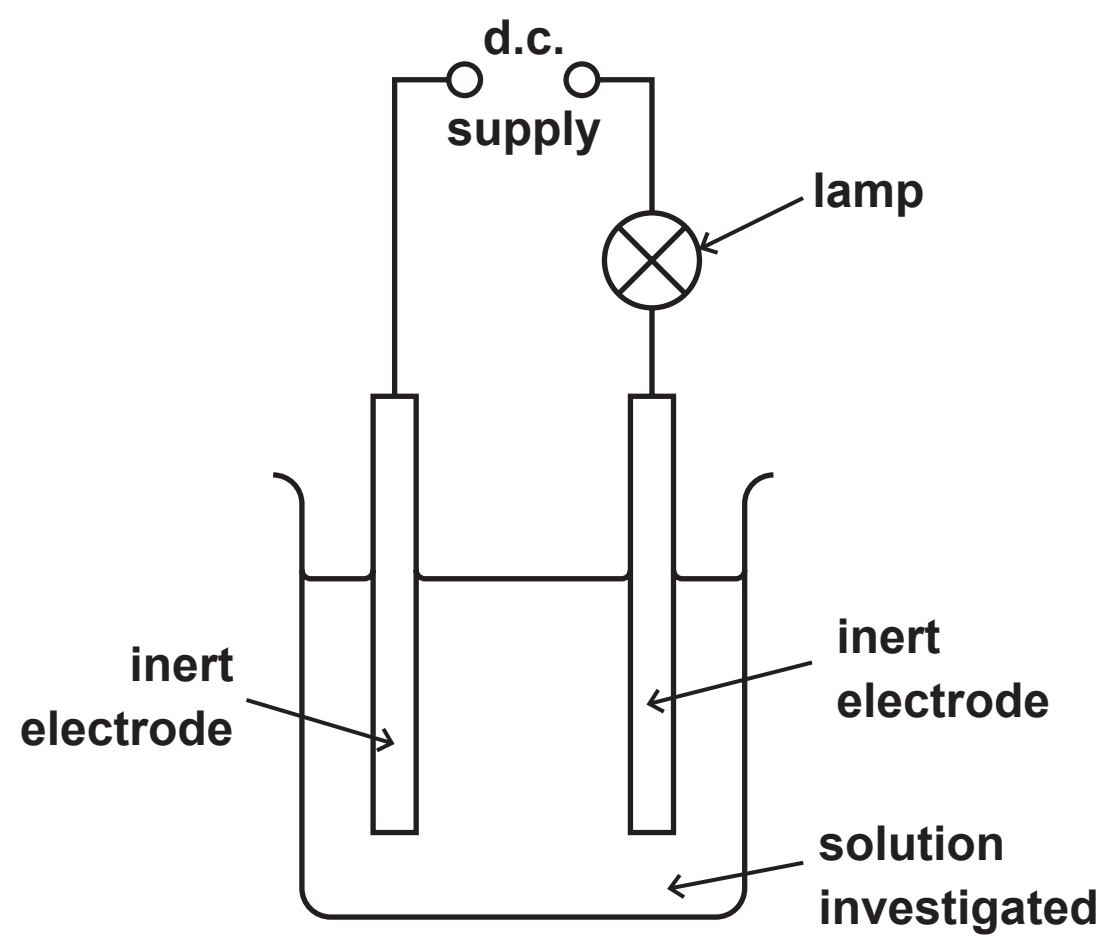
Question 5(b)(iii)



Question 5(b)(iii) (Spare copy)

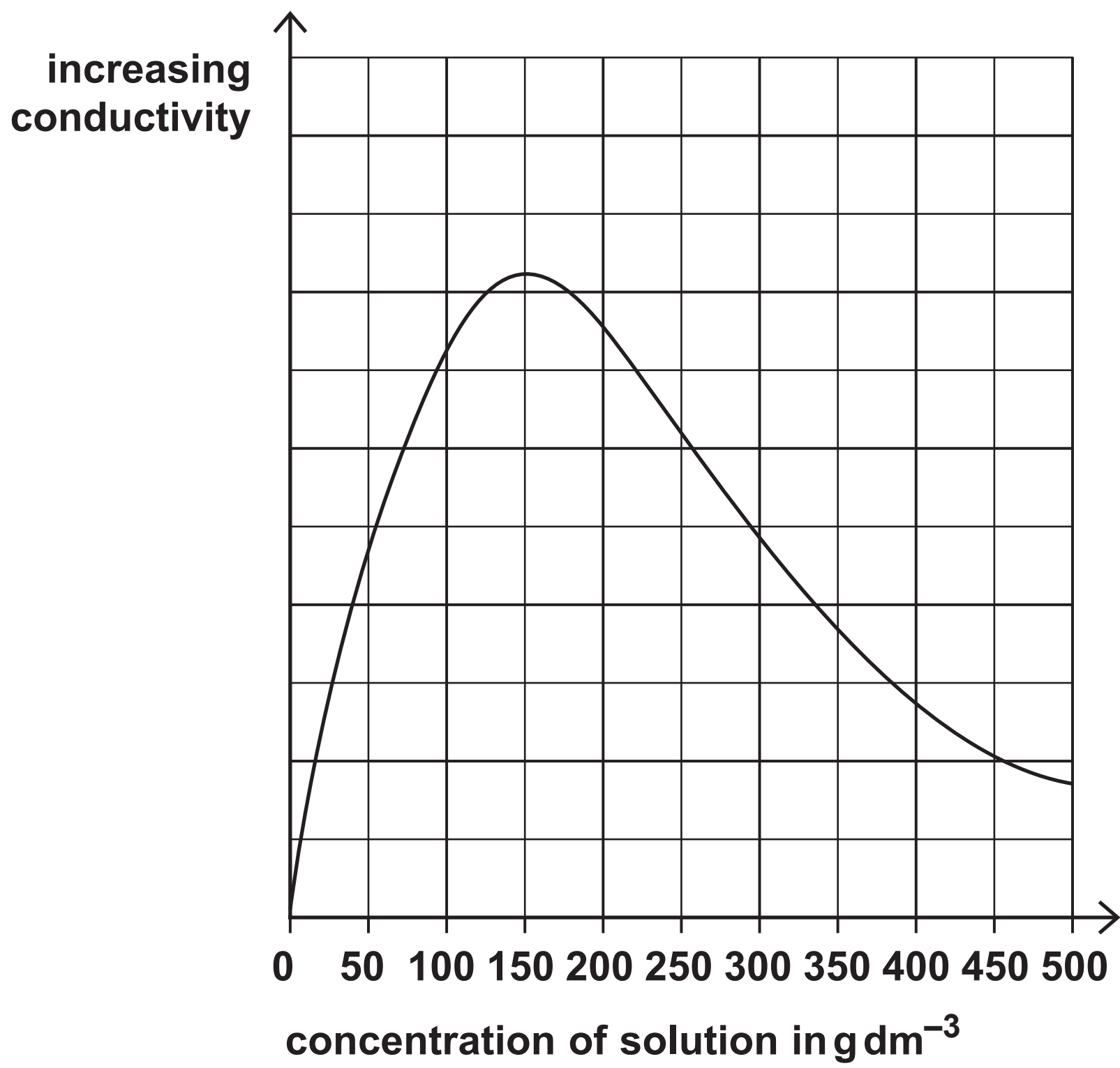
Question 5(d)

Figure 8



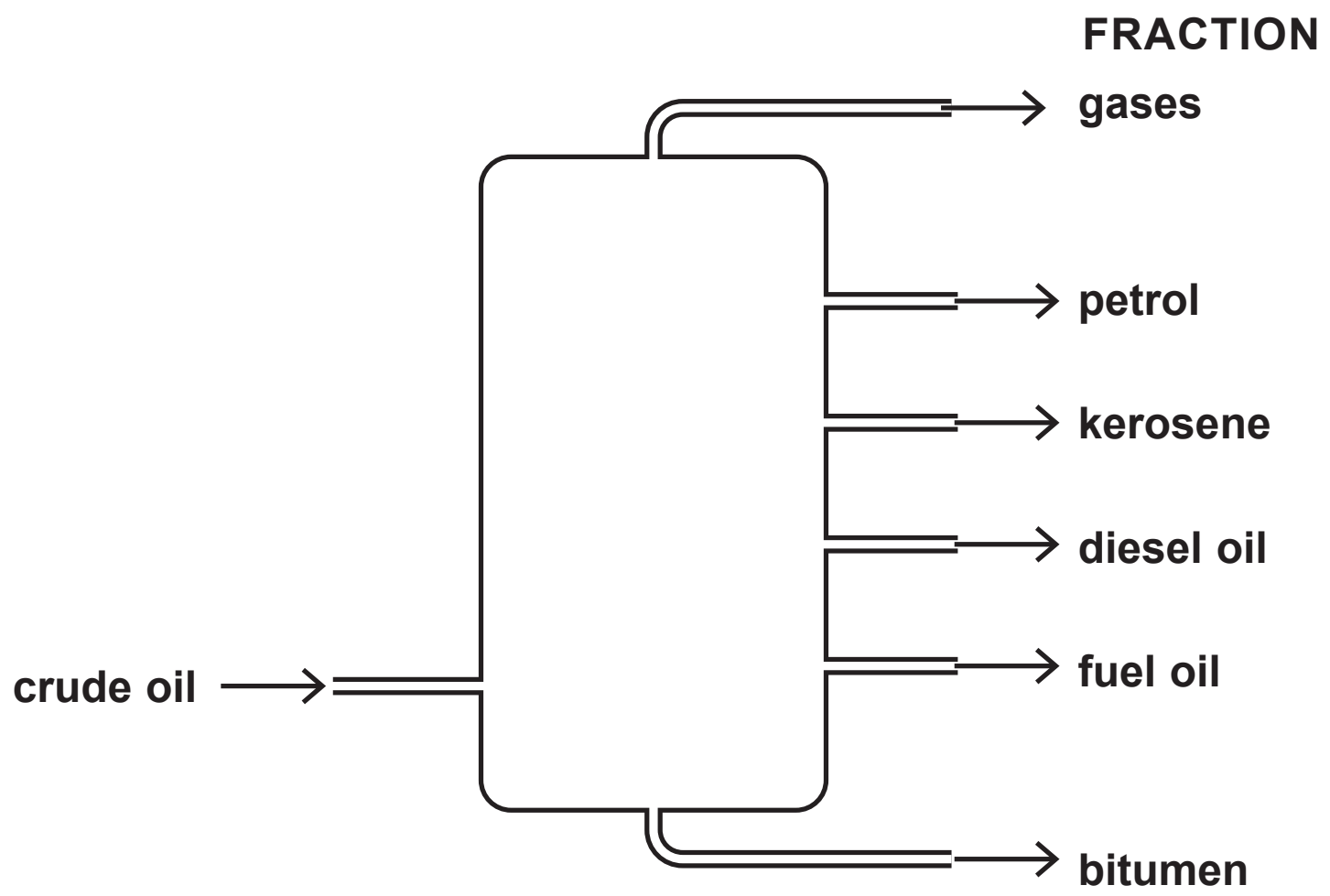
Question 5(e)

Figure 9



Question 6(b)

Figure 10



Question 6(c)

Figure 11

fraction	relative amount	relative demand
gases	2	6
petrol	12	29
kerosene	16	11
diesel oil	24	29
fuel oil	37	21
bitumen	9	4

Question 7(b)

Figure 12

name of alcohol	formula
methanol	CH ₃ OH
ethanol	C ₂ H ₅ OH
propanol	C ₃ H ₇ OH
butanol	C ₄ H ₉ OH

Question 7(d)

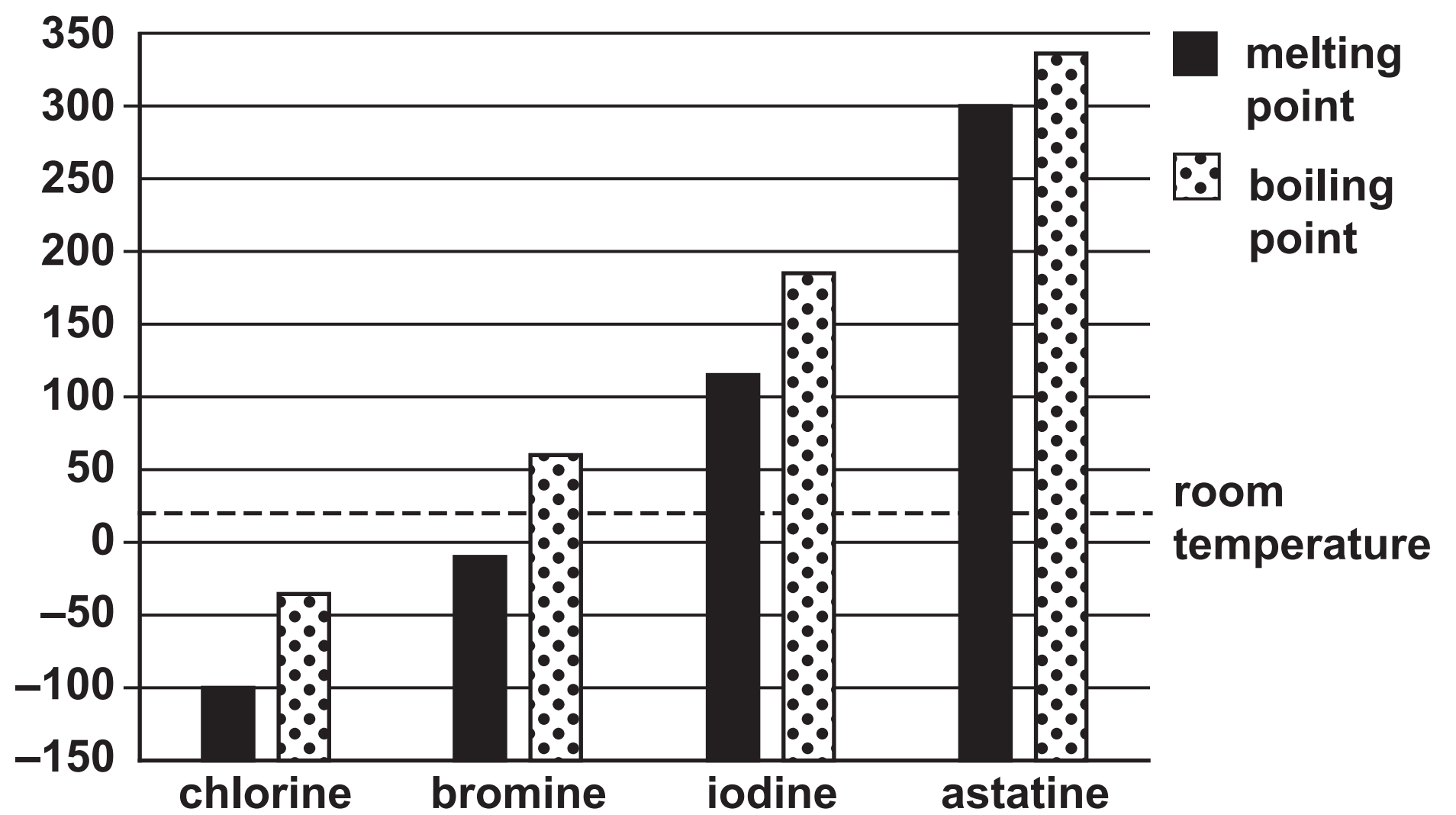
Figure 13

polymer	uses
poly(ethene)	plastic bags, plastic bottles
poly(chloroethene) (PVC)	window frames, water pipes, insulation for electrical wires
poly(tetrafluoroethene) (PTFE, Teflon TM)	coating for frying pans, stain-proofing for clothing

Question 8(f)

Figure 14

temperature
in °C



Question 9(a)

Figure 15

size of calcium carbonate pieces used	volume of carbon dioxide gas produced in five minutes in cm³
large	16
small	48
powder	90

Question 10(a)(i)

Figure 16

