

**Paper Reference(s) 4CH1/1C 4SD0/1C
Pearson Edexcel International GCSE (9–1)**

Chemistry

UNIT: 4CH1

Science (Double Award) 4SD0

PAPER: 1C

Monday 22 May 2023 – Morning

Diagram Booklet

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 BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

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Spare Copies

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Question 1

chromatography

crystallisation

dissolving

evaporating

filtering

fractional distillation

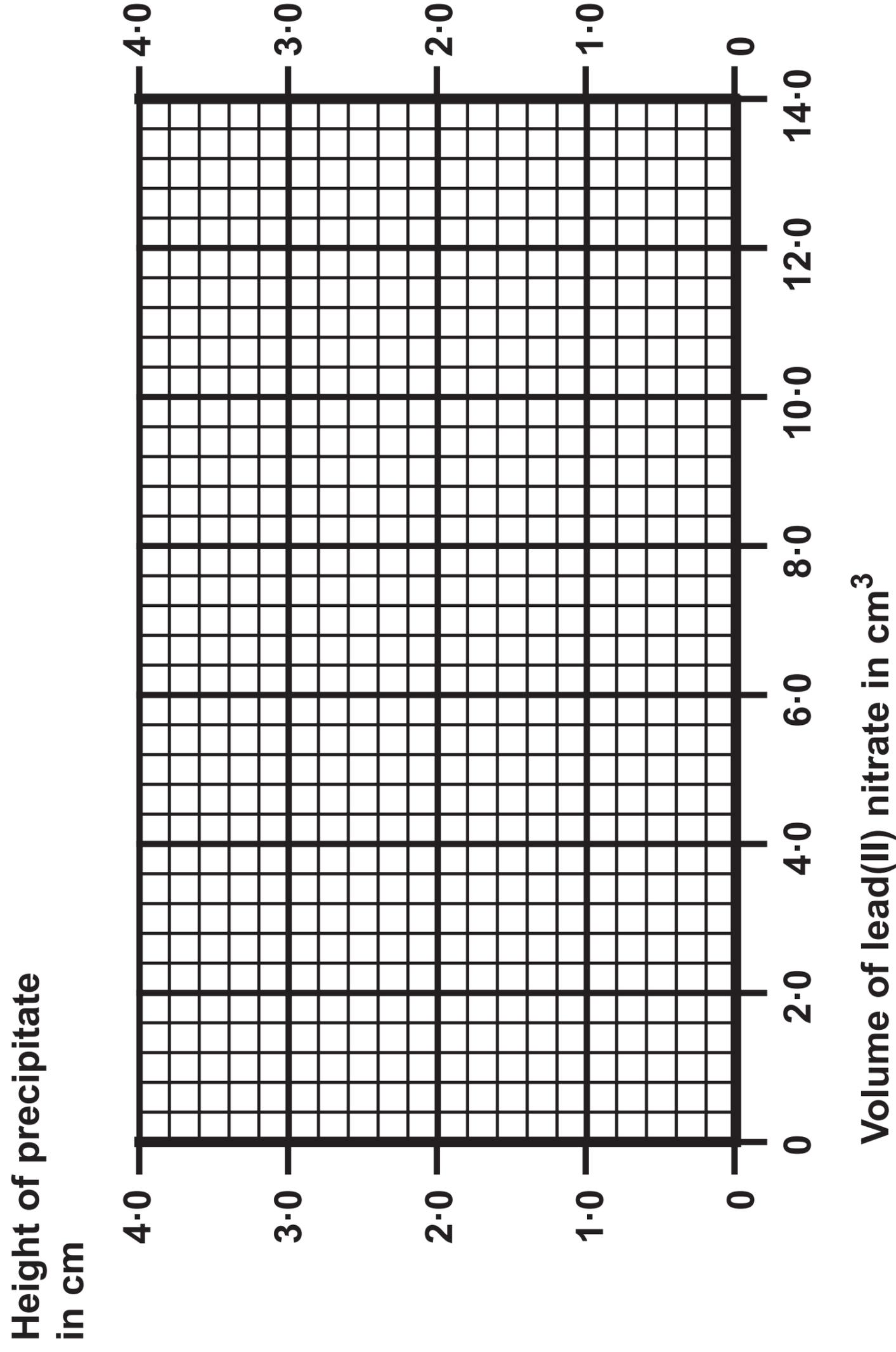
simple distillation

Question 3

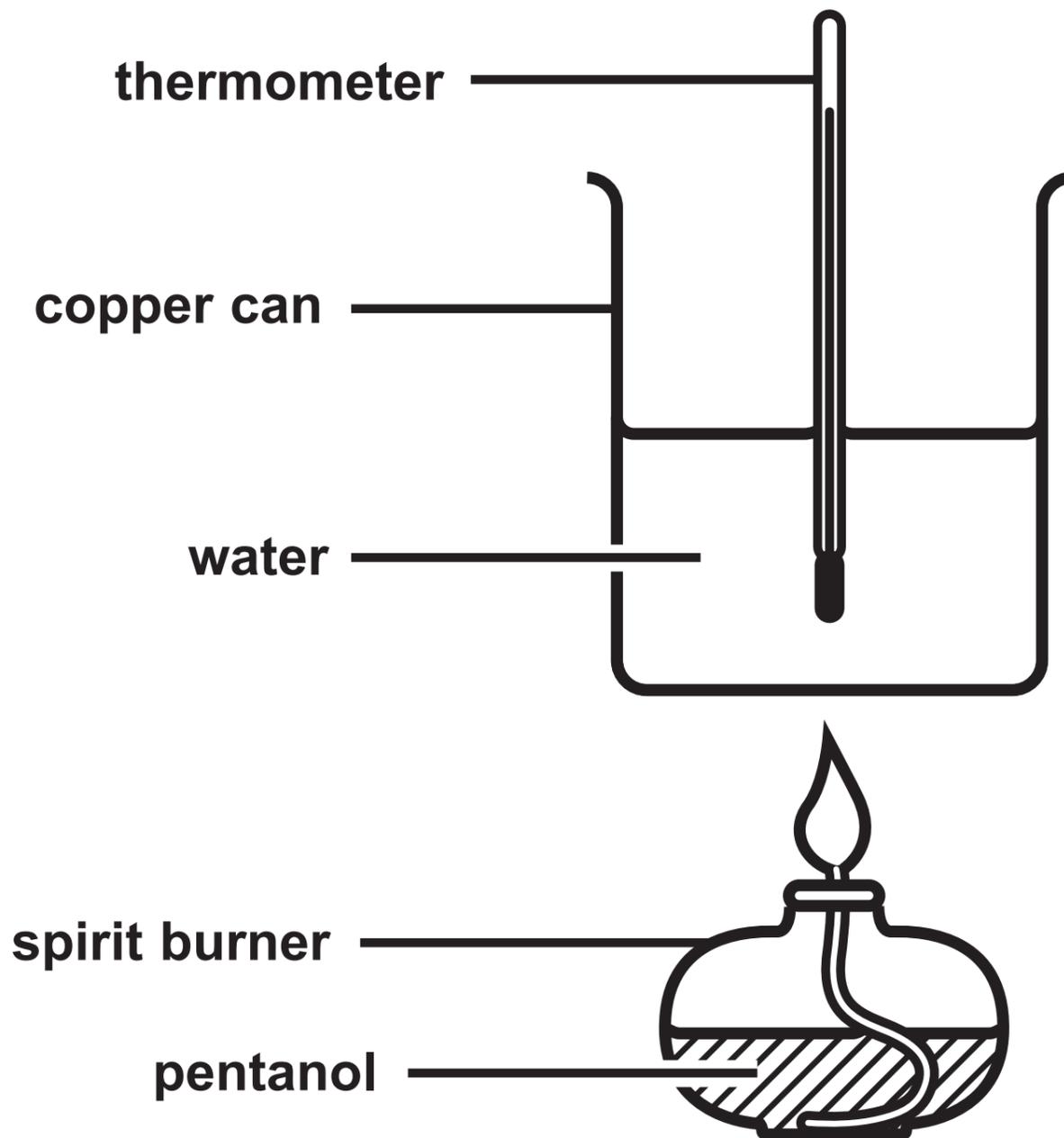
Substance	Melting point	Conducts electricity when solid	Conducts electricity when molten	Type of bonding	Type of structure
X	low	no	no	covalent	simple molecular
Y	high	no	no	A	B
Z	high	no	yes	C	D

<p>propene</p>	<p>repeat unit of poly(propene)</p>
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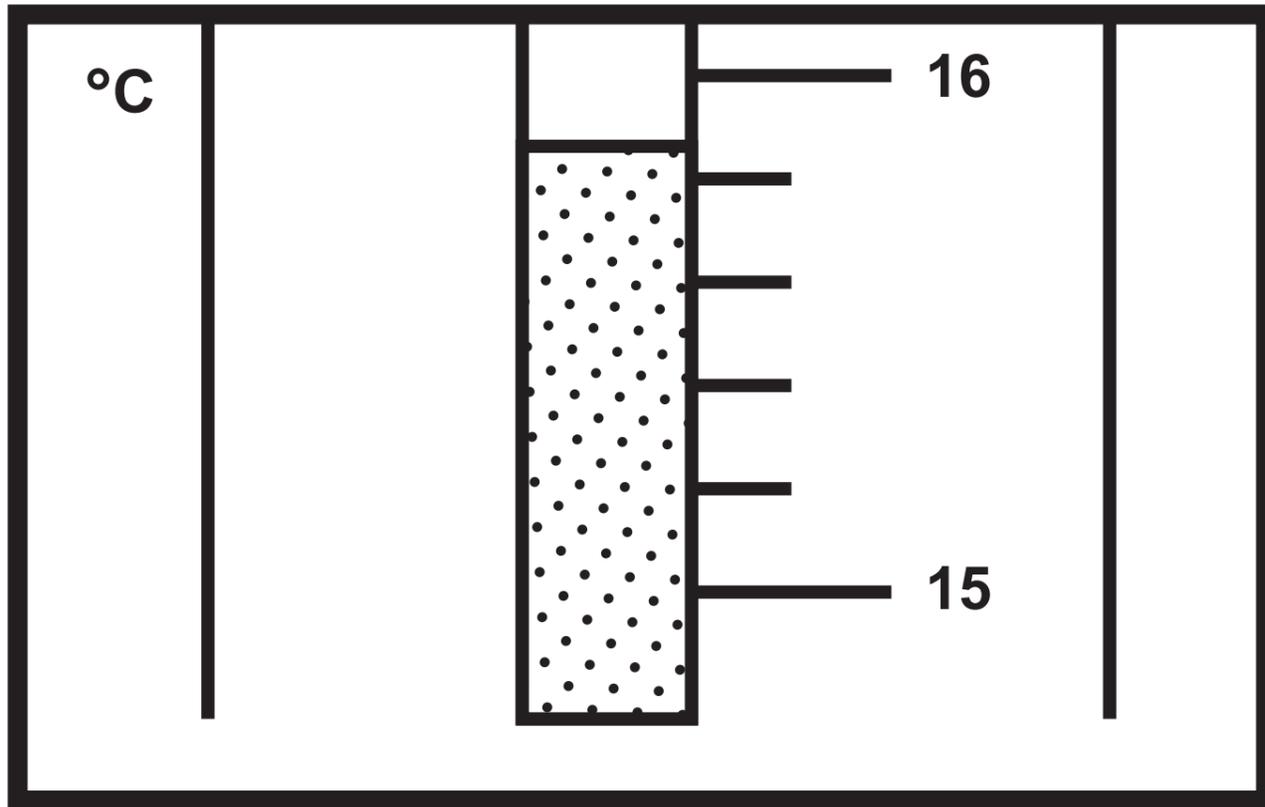
Question 6(b)



Question 8(a)



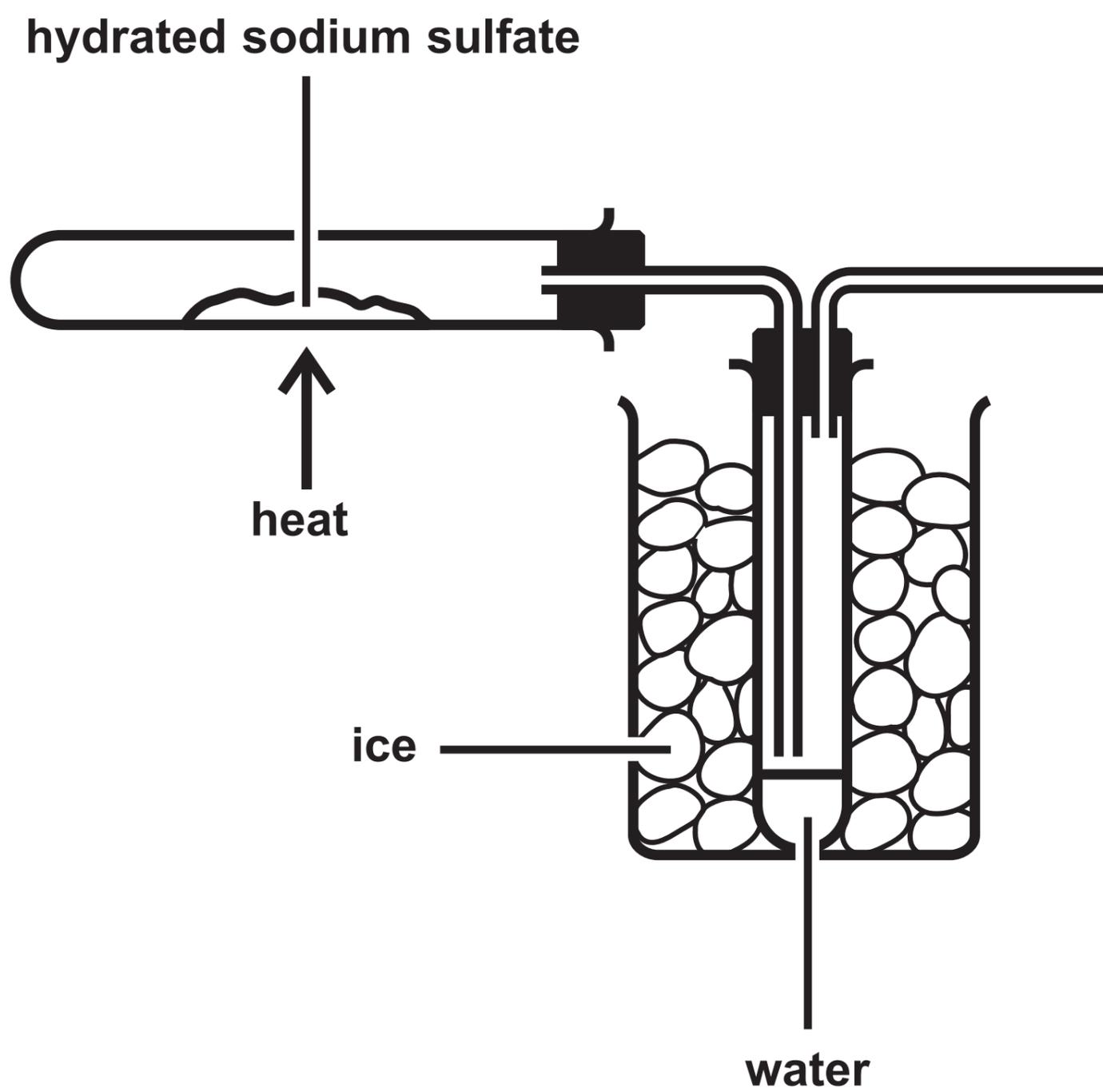
Question 8(b)



Question 8(c)(ii)

Initial mass of spirit burner and pentanol in g	90.11
Final mass of spirit burner and pentanol in g	89.75

Question 9(b)

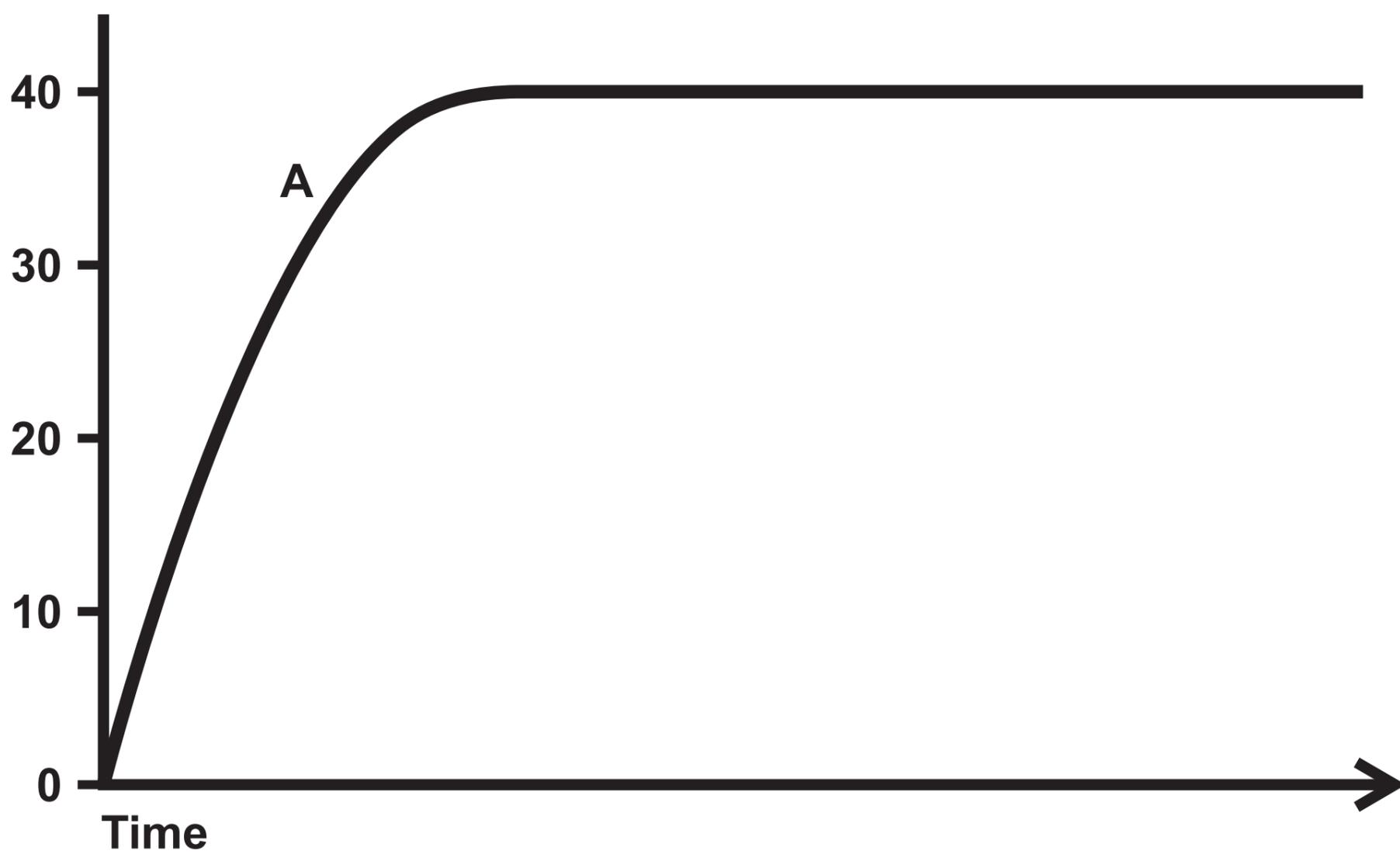


Question 9(c)

Mass of empty tube in g	15.83
Mass of tube and $\text{Na}_2\text{SO}_4 \cdot x\text{H}_2\text{O}$ in g	23.88
Mass of tube and Na_2SO_4 in g	19.38

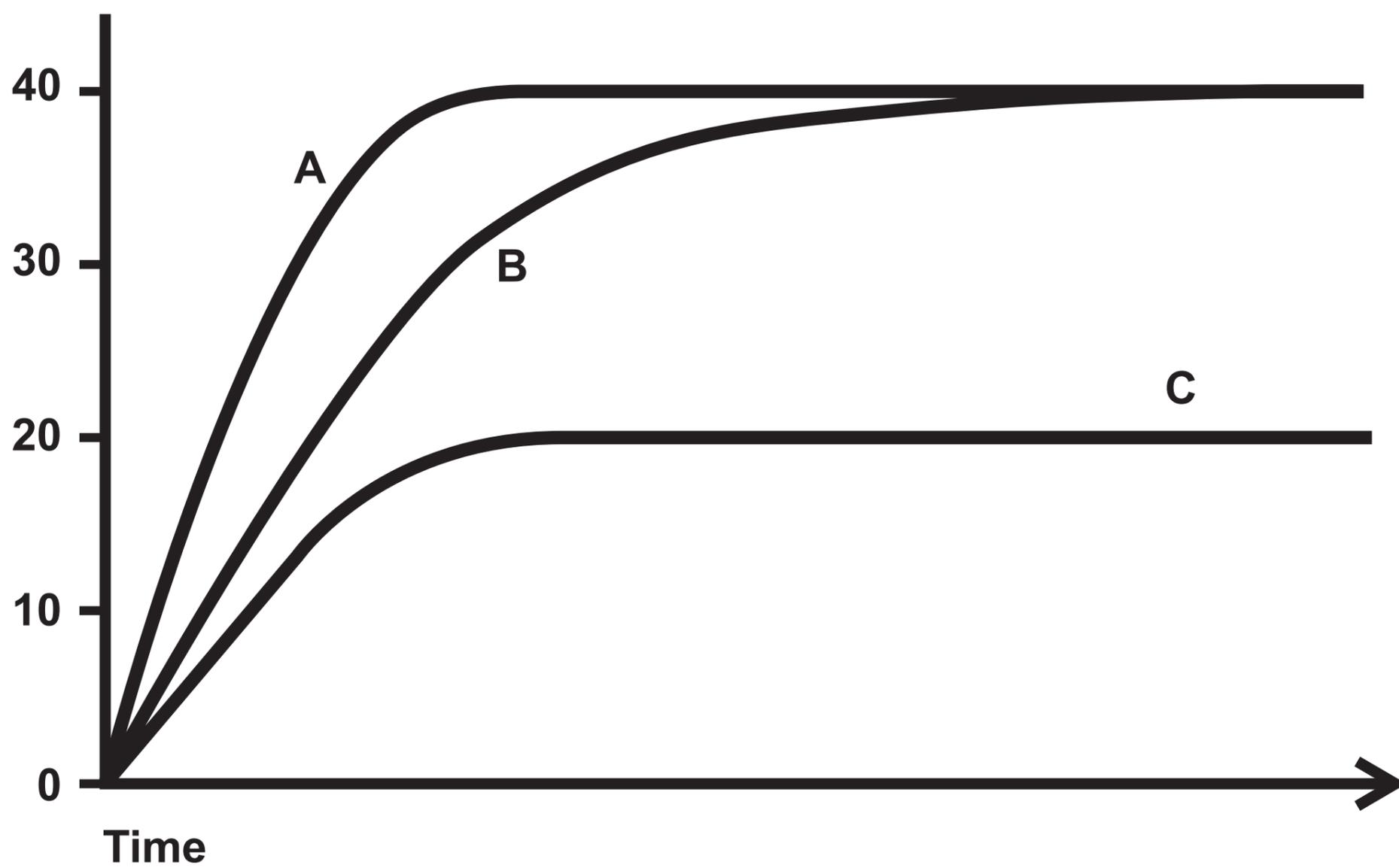
Question 10(a)(ii)

Volume of
hydrogen in cm^3



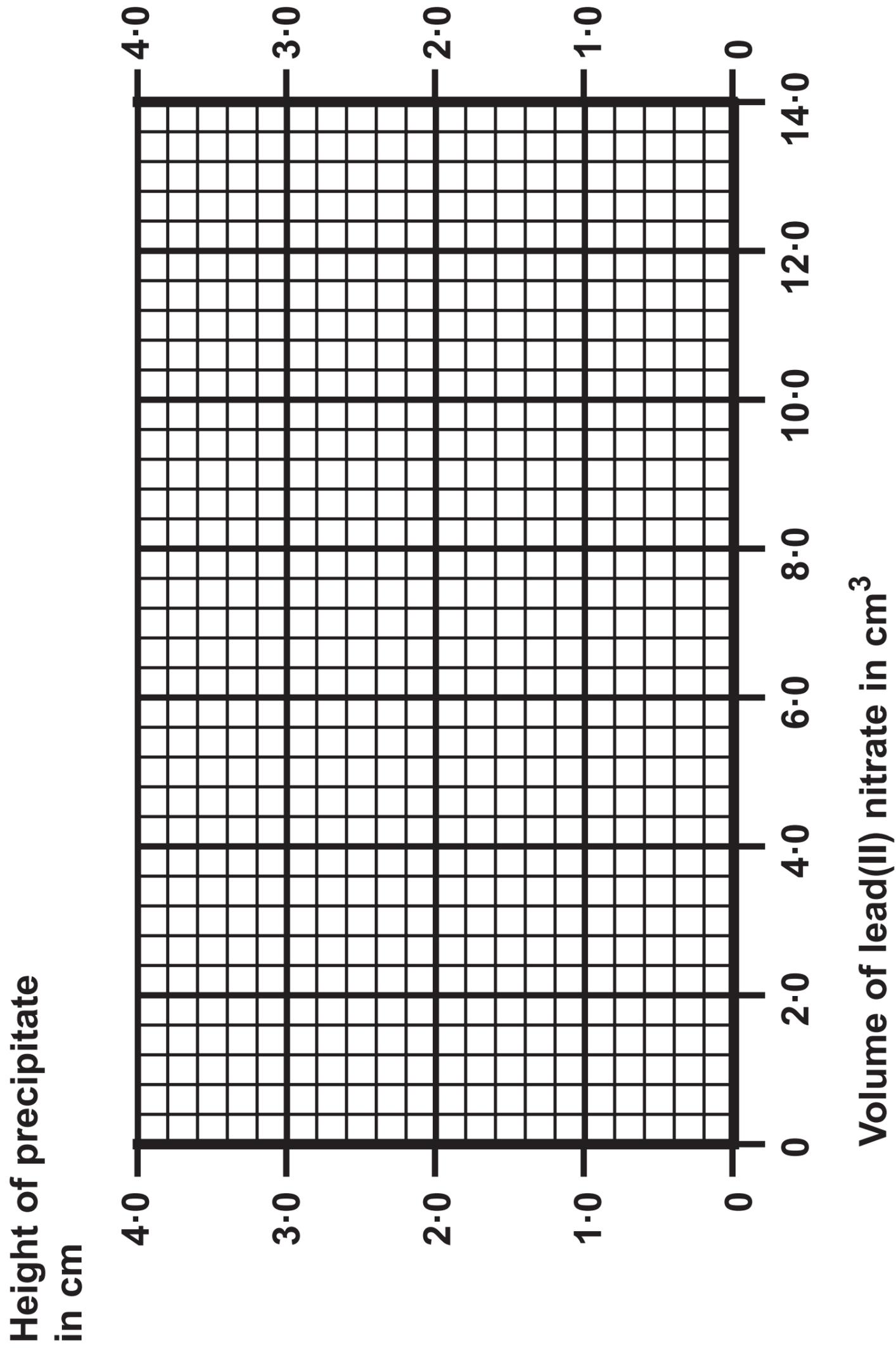
Question 10(b)

Volume of
hydrogen in cm^3



Question 4(b)(ii)

<p>propene</p>	<p>repeat unit of poly(propene)</p>
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Question 10(a)(ii)

Volume of hydrogen
in cm^3

