

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

**Chemistry**

**UNIT: 4CH1**

**Science (Double Award) 4SD0**

**PAPER: 1C**

**Diagram Booklet**

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

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

## 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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## Question 1

**chromatography**

**crystallisation**

**dissolving**

**evaporating**

**filtering**

**fractional distillation**

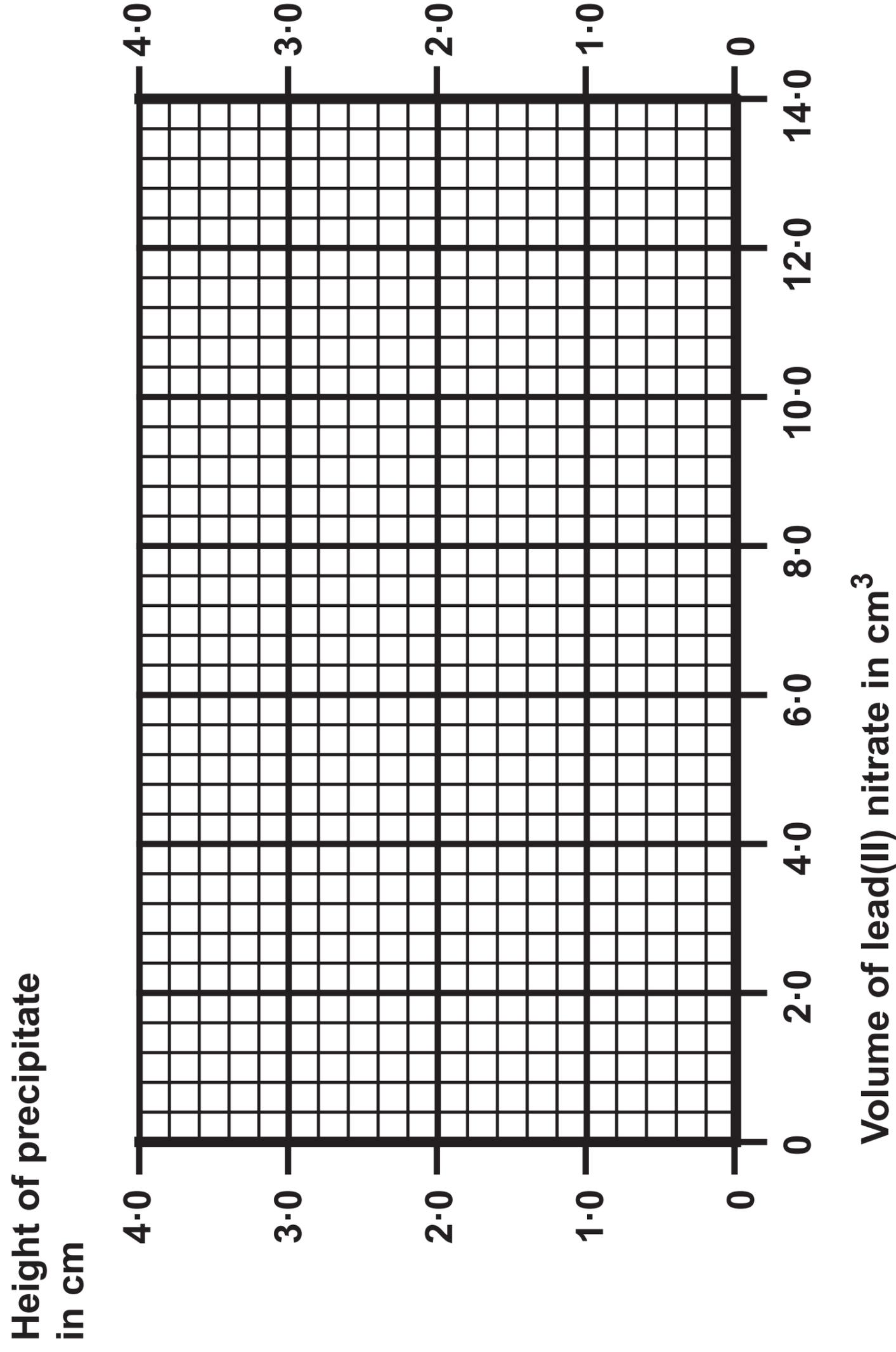
**simple distillation**

**Question 3**

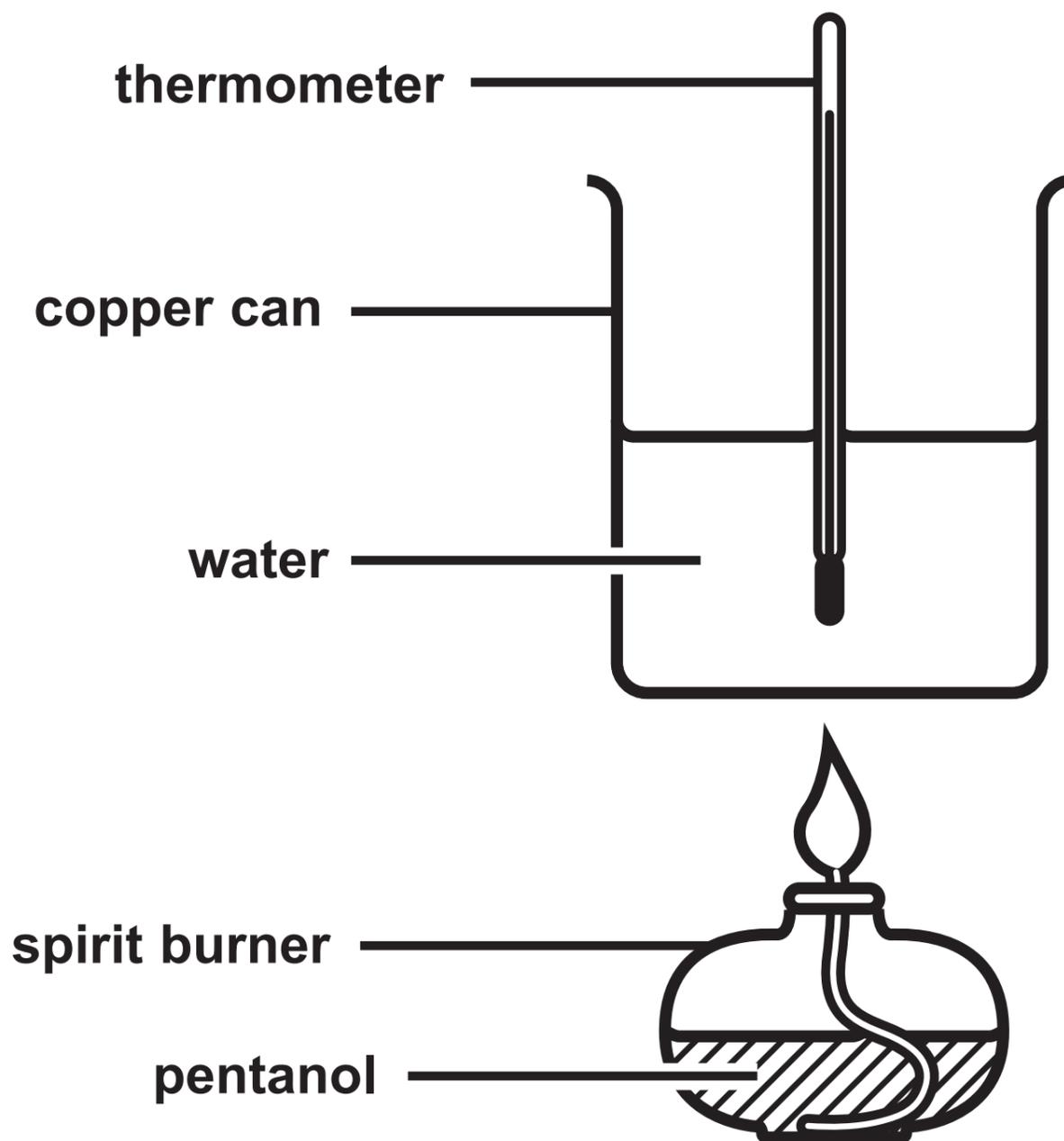
<b>Substance</b>	<b>Melting point</b>	<b>Conducts electricity when solid</b>	<b>Conducts electricity when molten</b>	<b>Type of bonding</b>	<b>Type of structure</b>
<b>X</b>	<b>low</b>	<b>no</b>	<b>no</b>	<b>covalent</b>	<b>simple molecular</b>
<b>Y</b>	<b>high</b>	<b>no</b>	<b>no</b>	<b>A</b>	<b>B</b>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

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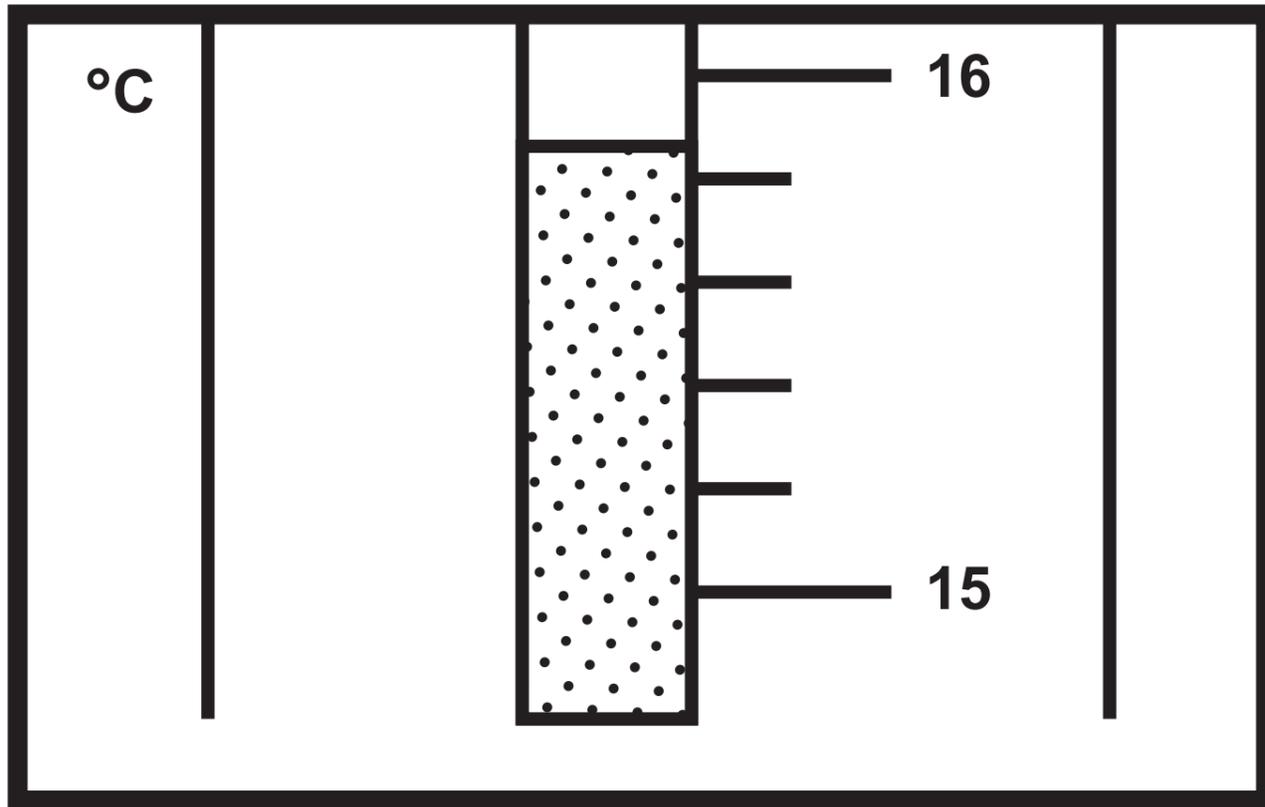
Question 6(b)



## Question 8(a)



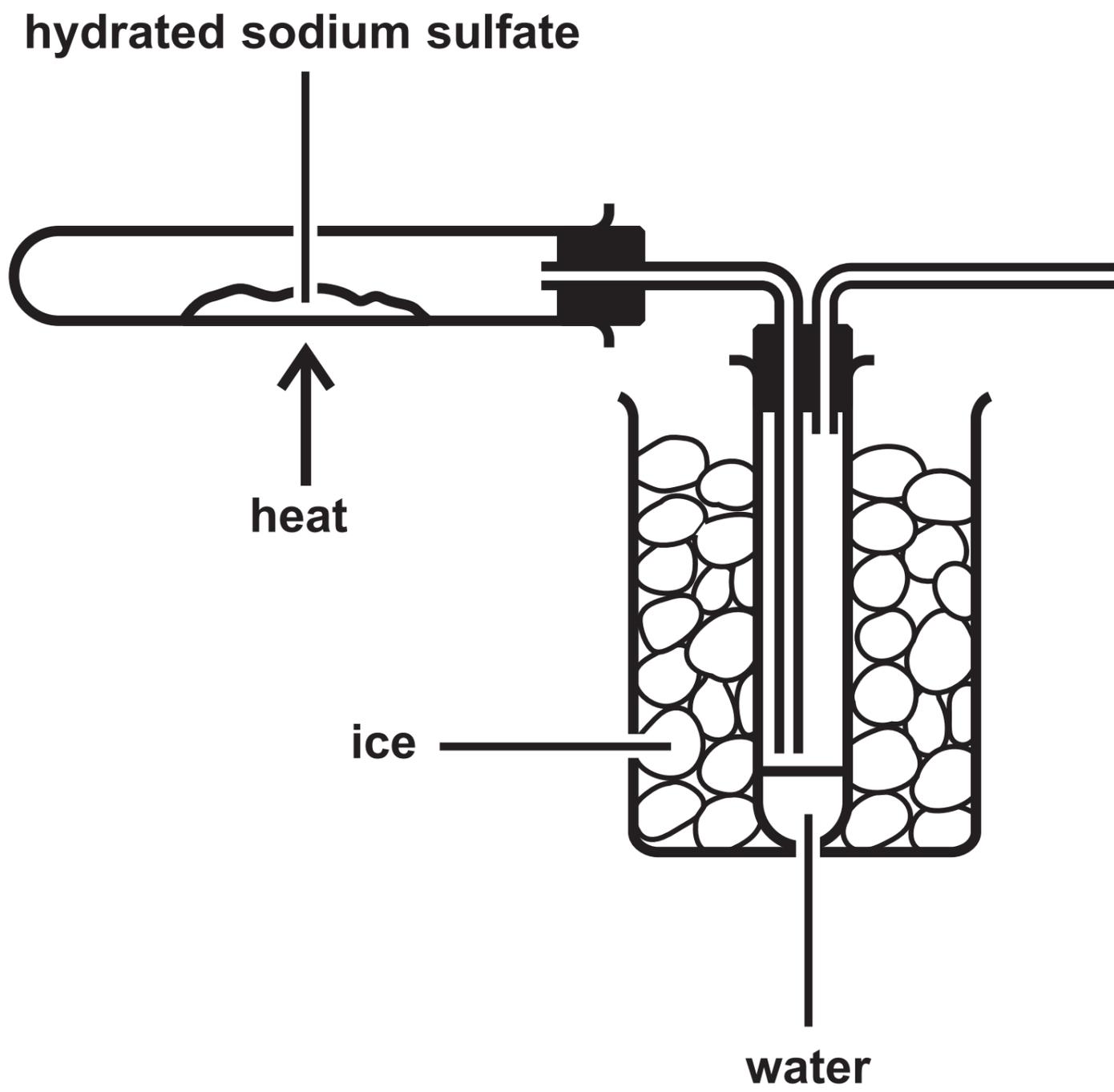
## Question 8(b)



**Question 8(c)(ii)**

<b>Initial mass of spirit burner and pentanol in g</b>	<b>90.11</b>
<b>Final mass of spirit burner and pentanol in g</b>	<b>89.75</b>

## Question 9(b)

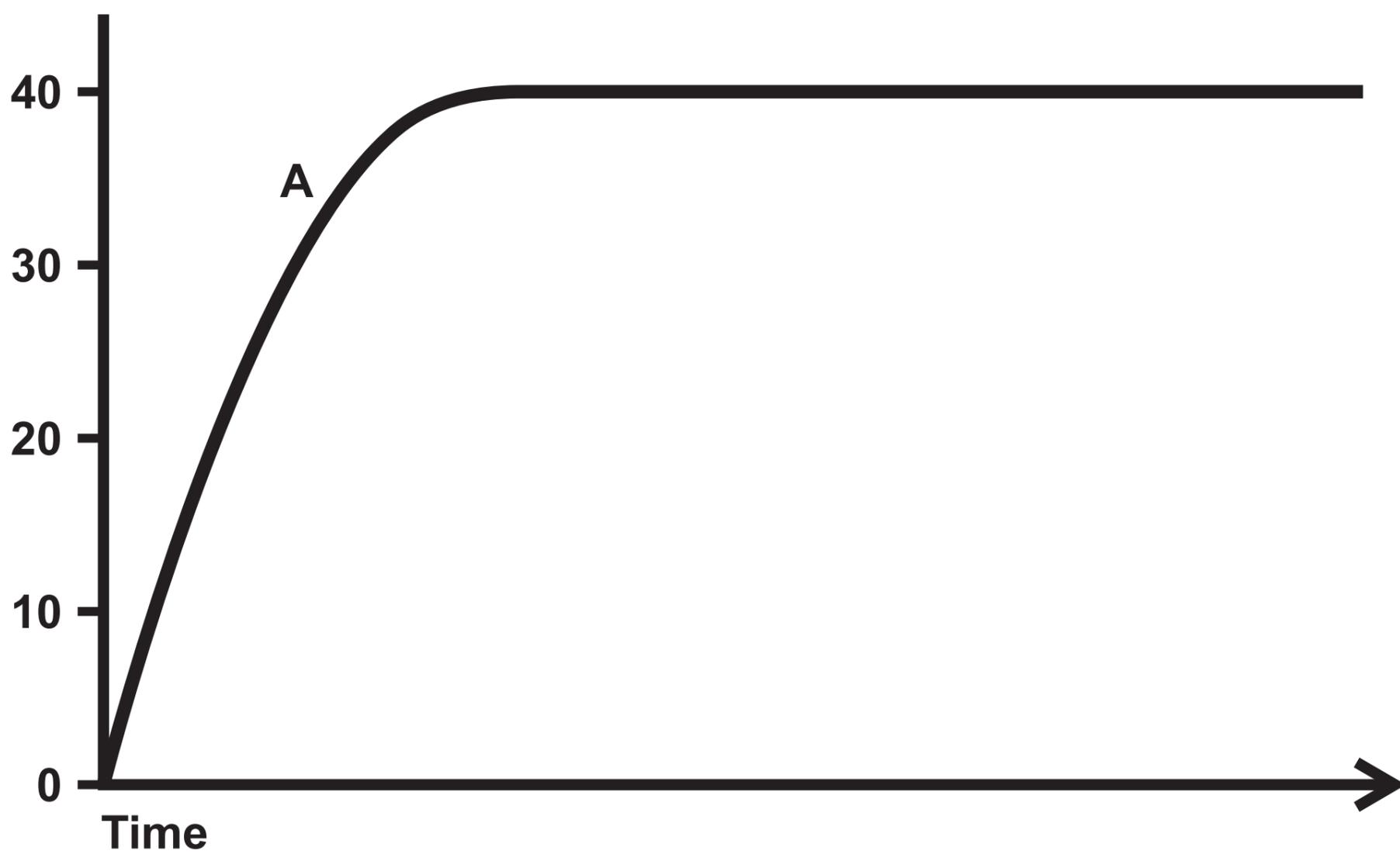


## Question 9(c)

<b>Mass of empty tube in g</b>	<b>15.83</b>
<b>Mass of tube and <math>\text{Na}_2\text{SO}_4 \cdot x\text{H}_2\text{O}</math> in g</b>	<b>23.88</b>
<b>Mass of tube and <math>\text{Na}_2\text{SO}_4</math> in g</b>	<b>19.38</b>

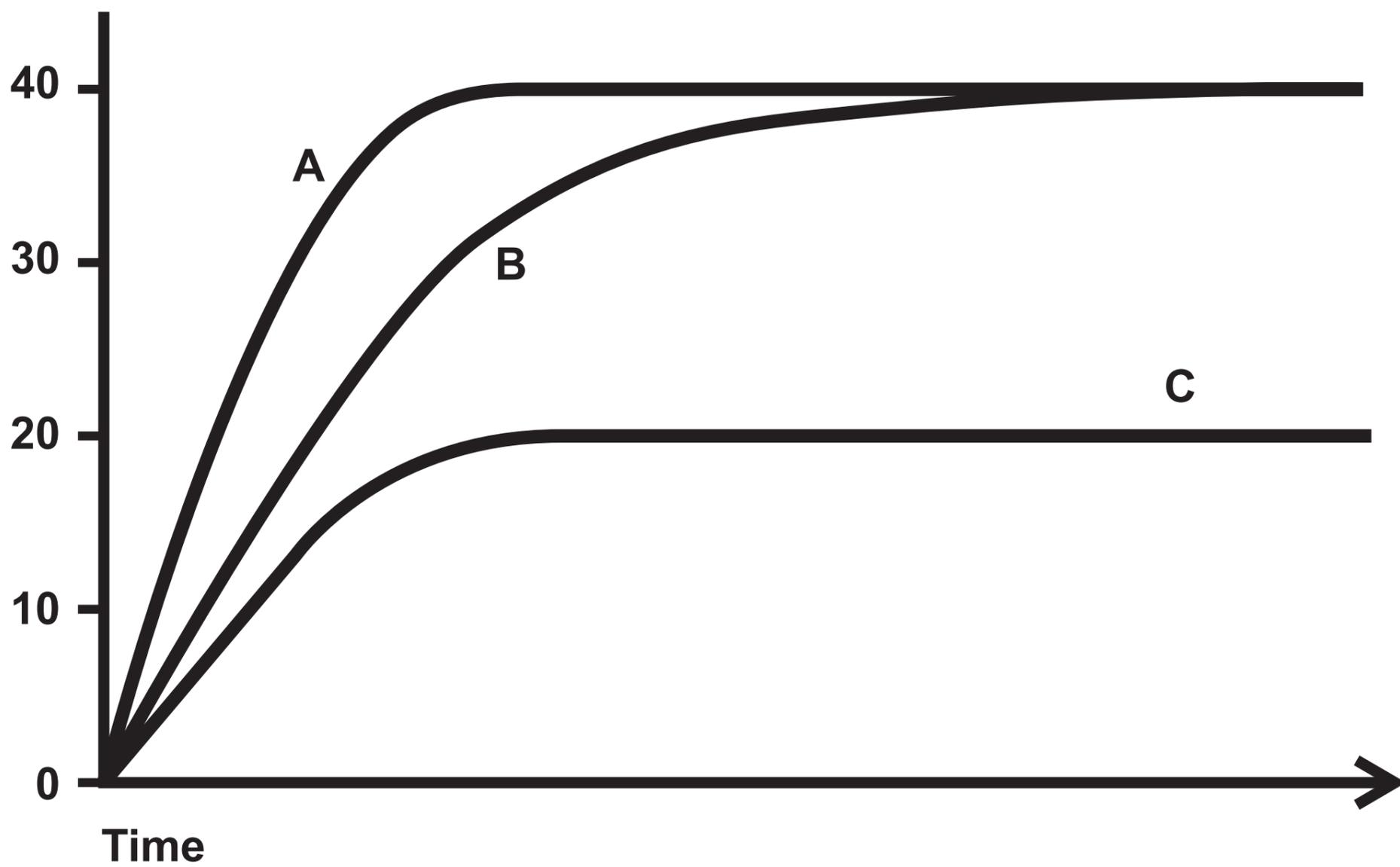
## Question 10(a)(ii)

Volume of  
hydrogen in  $\text{cm}^3$



## Question 10(b)

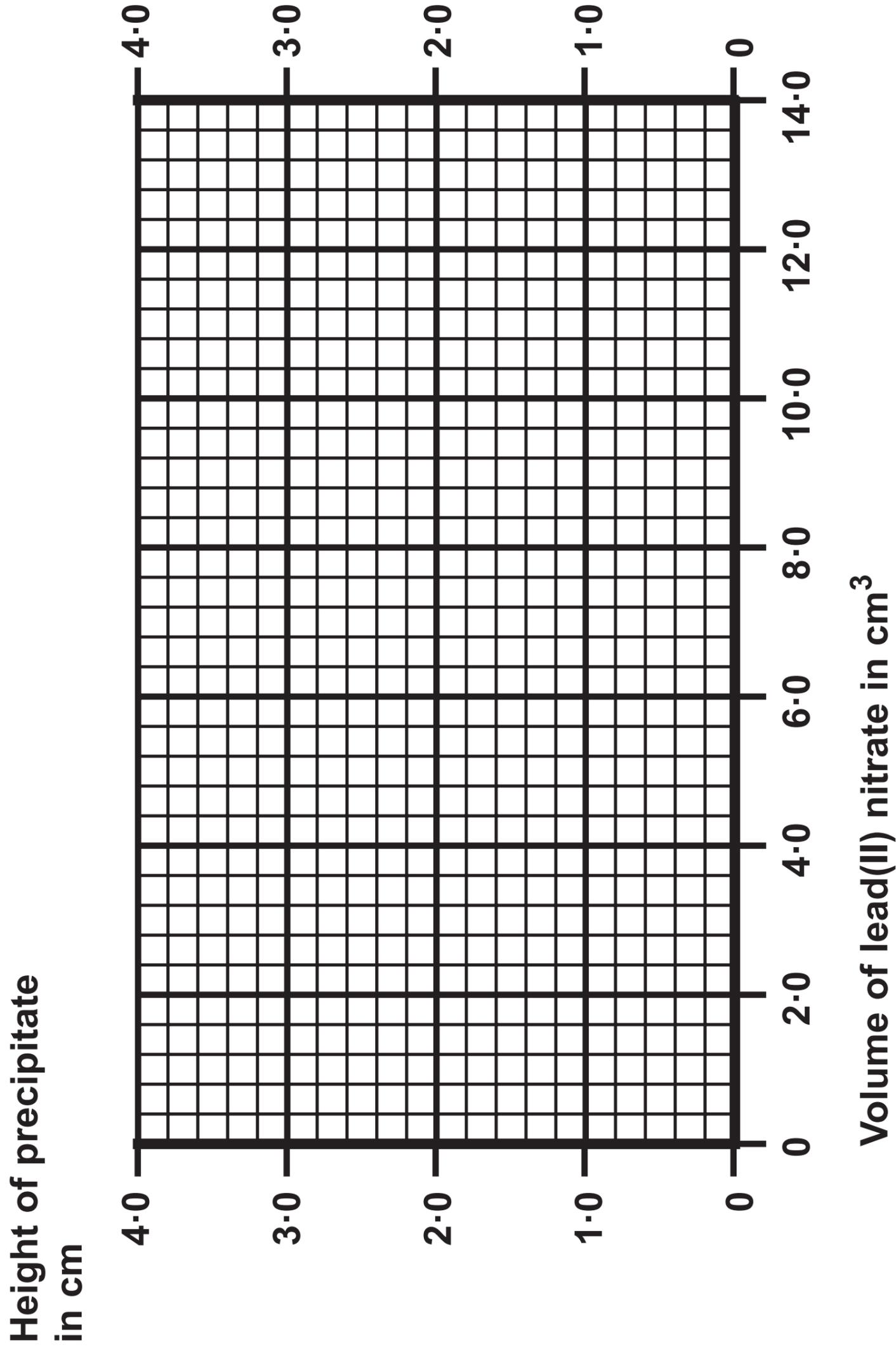
Volume of  
hydrogen in  $\text{cm}^3$



**Question 4(b)(ii)**

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



## Question 10(a)(ii)

Volume of hydrogen  
in  $\text{cm}^3$

