

**Paper Reference(s) 4CH1/1CR 4SD0/1CR1
Pearson Edexcel International GCSE (9–1)**

Chemistry

UNIT: 4CH1

Science (Double Award) 4SD0

PAPER: 1CR

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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Turn over

Spare Copies

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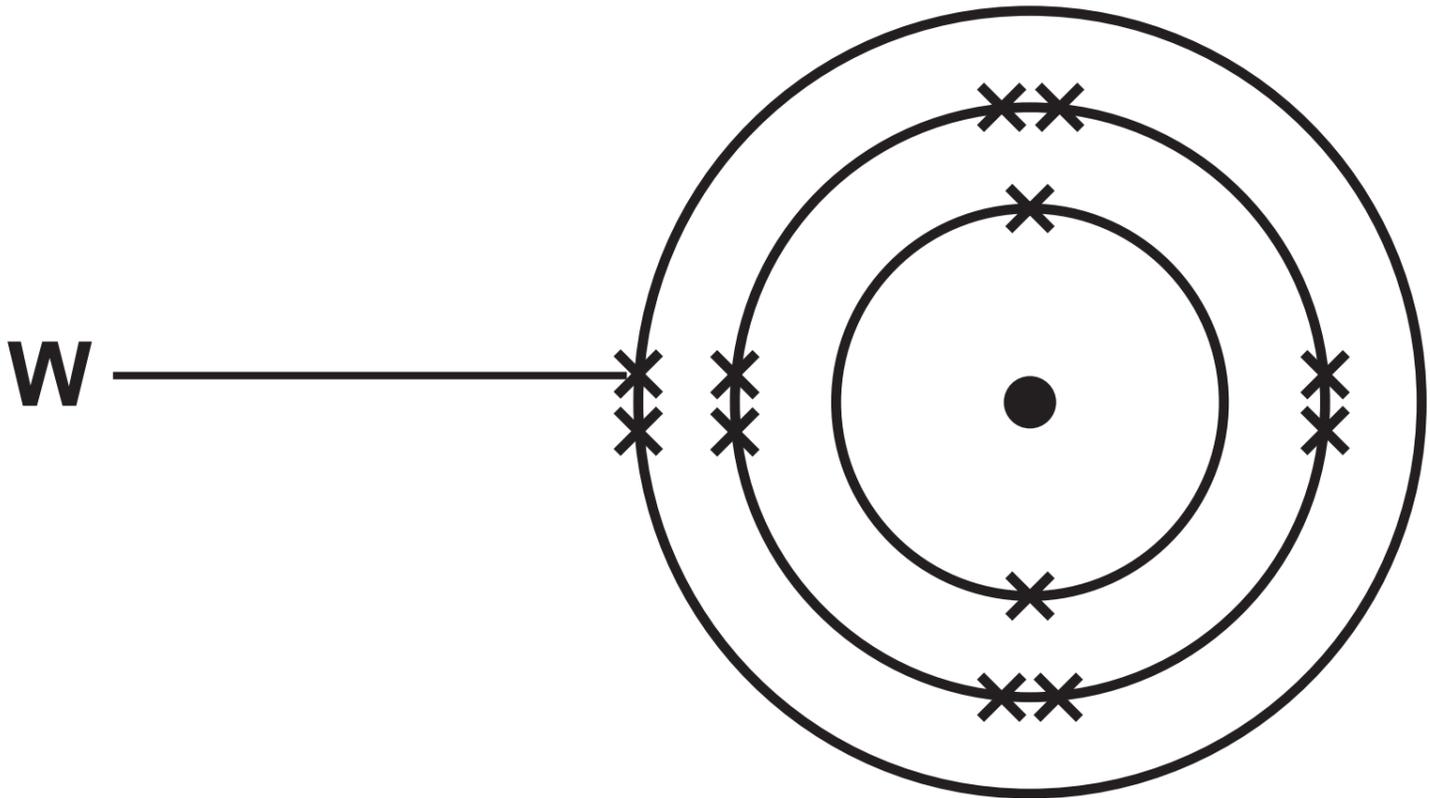
Question 1(a)(i)

Question 2(a)

6

Substance	Mixture	Technique
solid sodium chloride	aqueous sodium chloride	
water	aqueous copper(II) sulfate	
sand	sand and water	

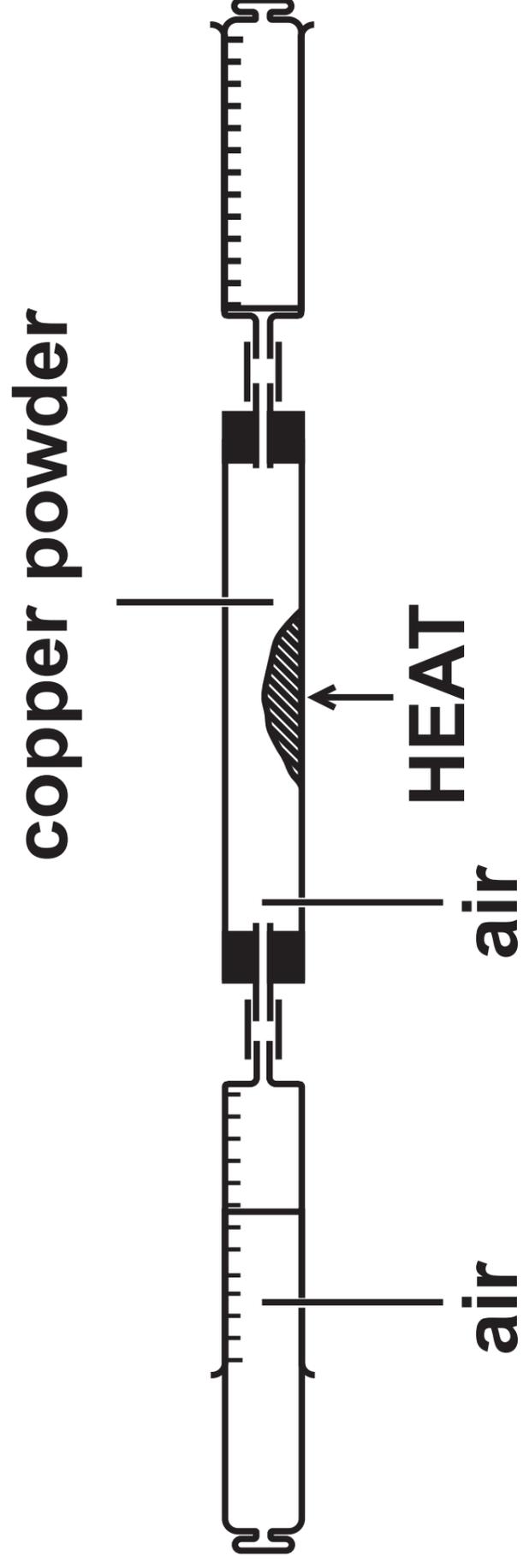
Question 3(a)



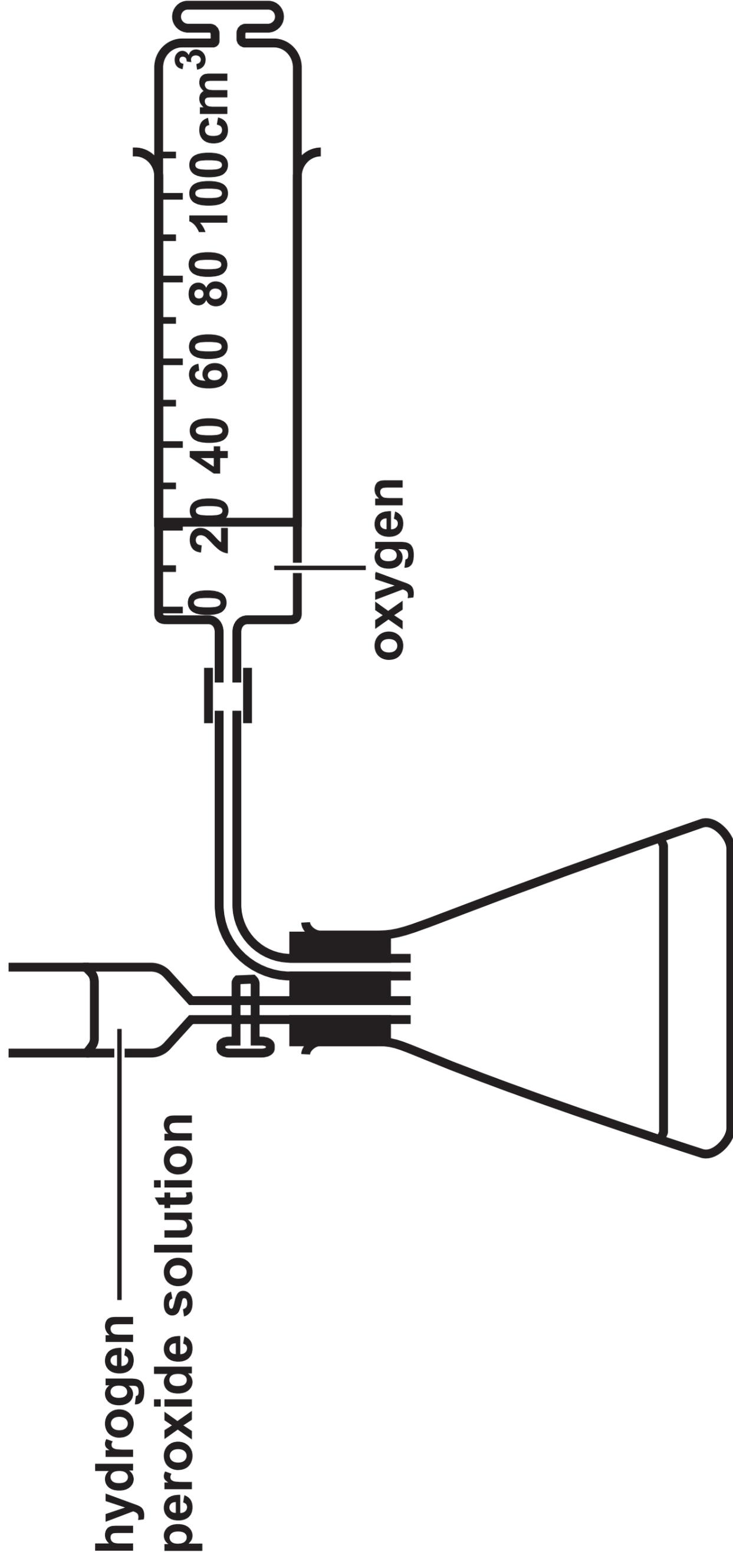
Question 4(a)

Information	Gas
the most abundant gas in air	
a toxic gas that is a product of incomplete combustion of hydrocarbons	
an unreactive gas that exists as atoms	
a gas produced by the fractional distillation of crude oil	

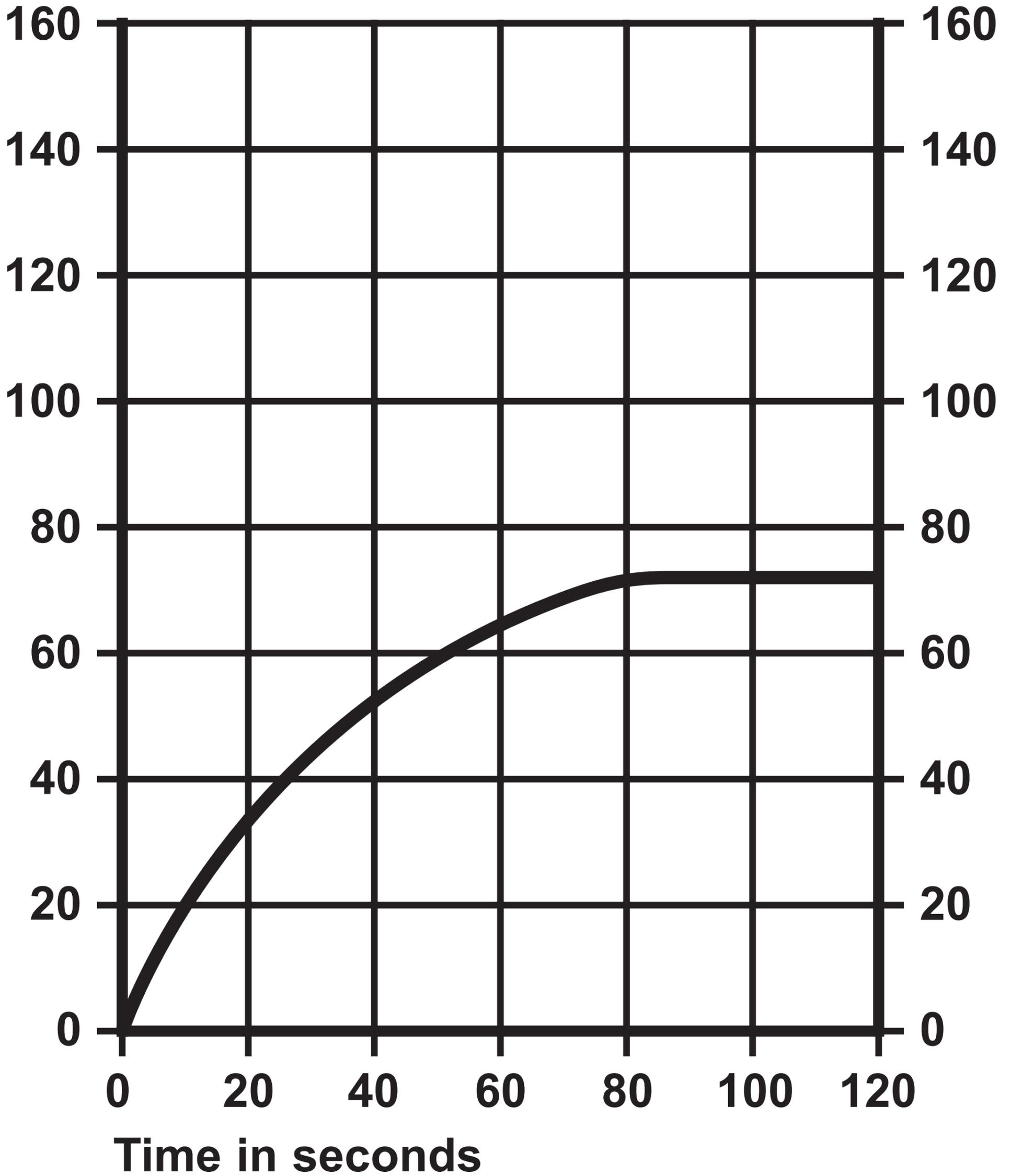
Question 4(b)



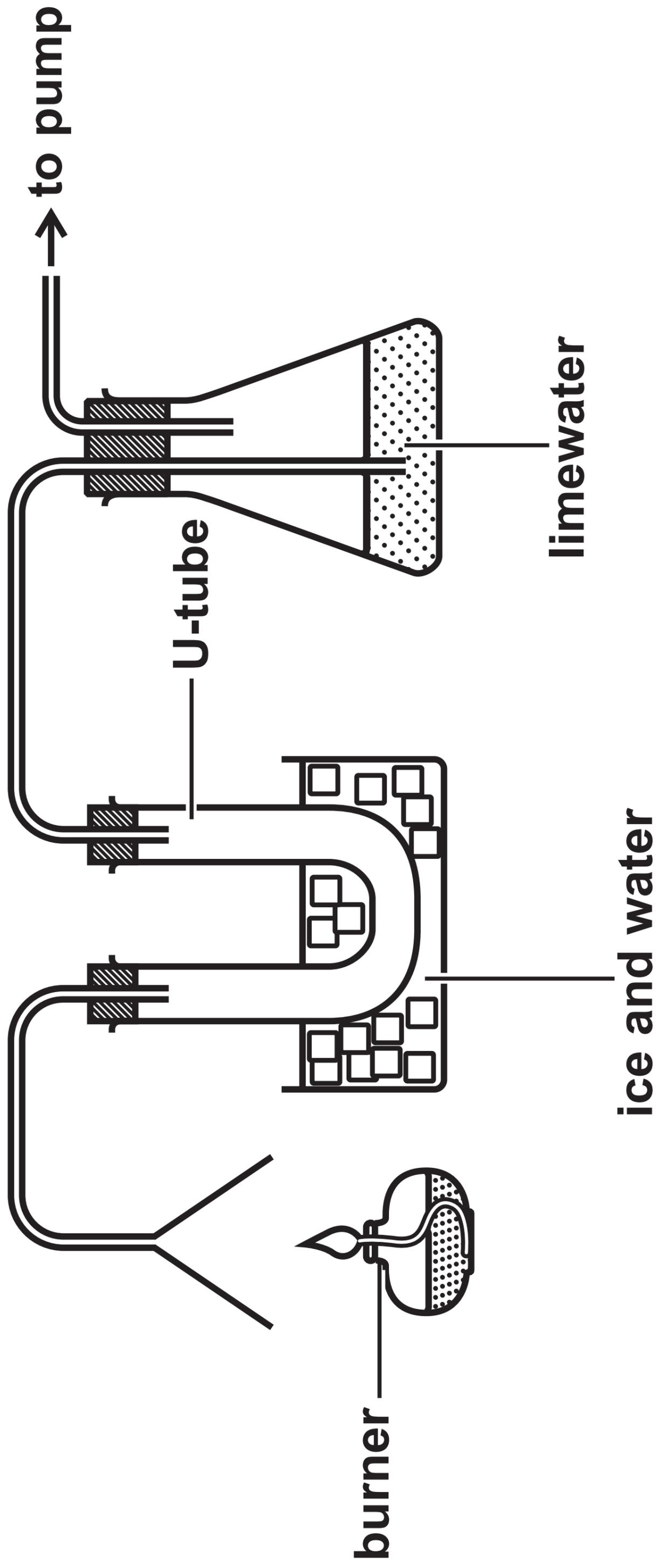
Question 6



Question 6(d)

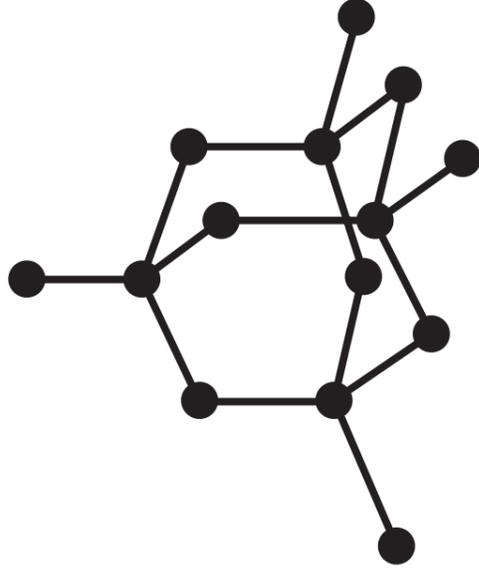
Volume of oxygen in cm^3 

Question 7

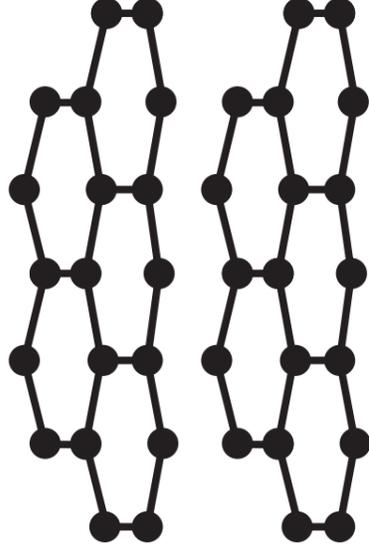


Question 8

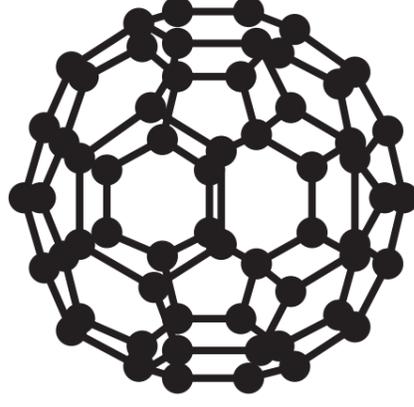
diamond



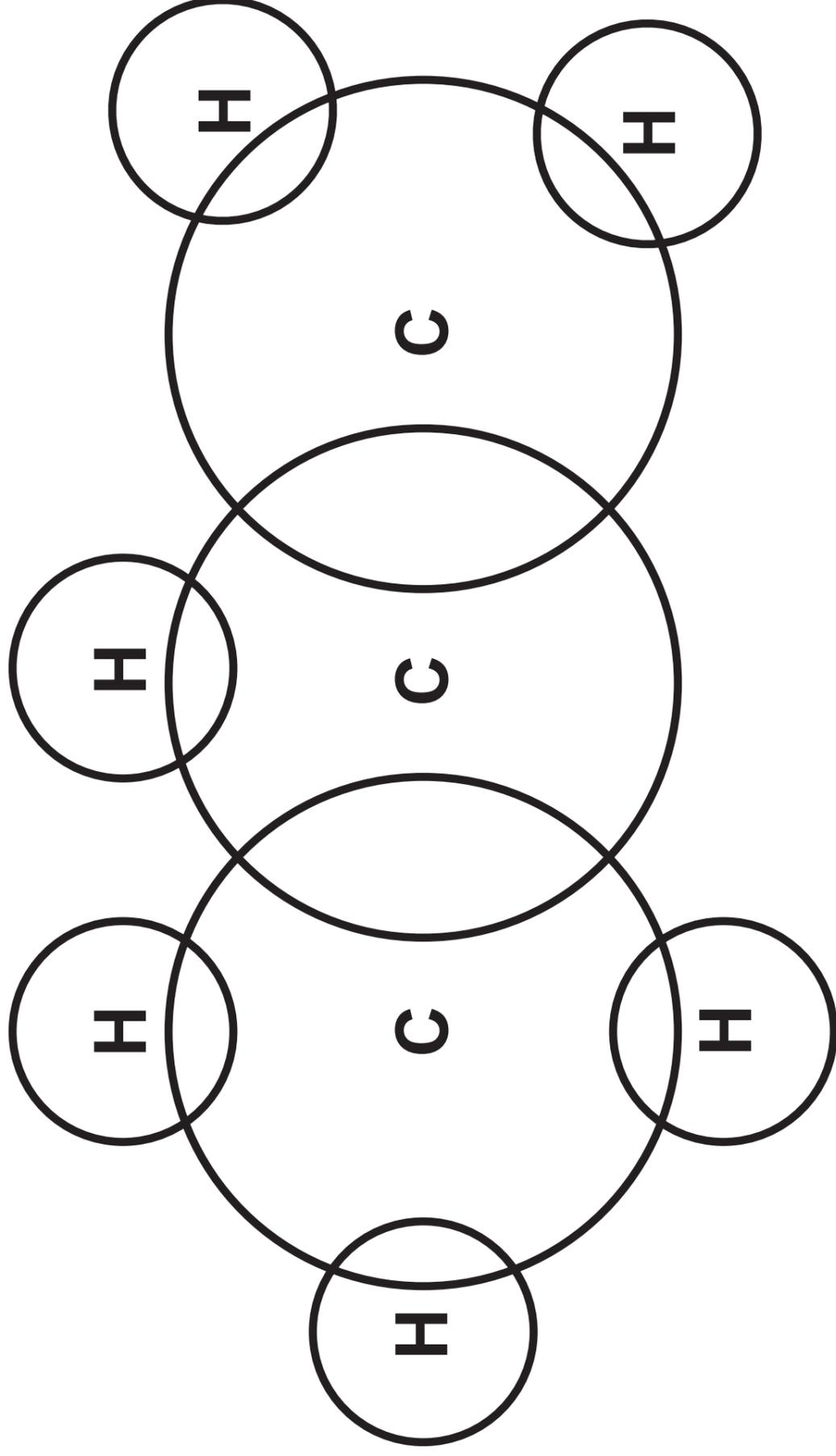
graphite



C₆₀ fullerene

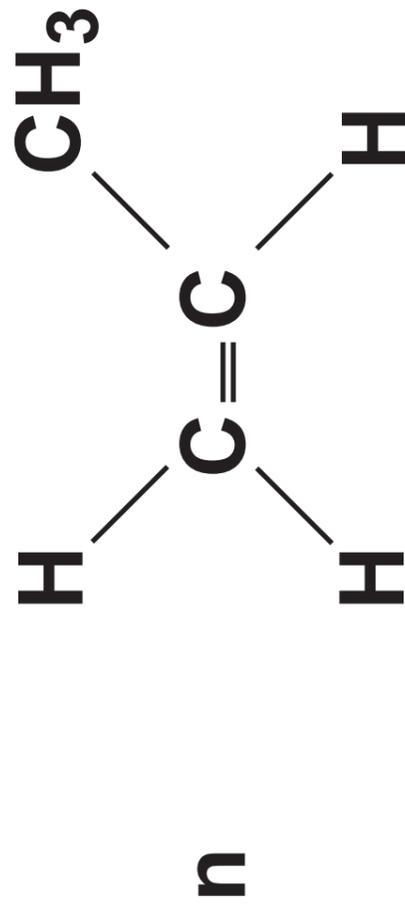


Question 10(a)(i)

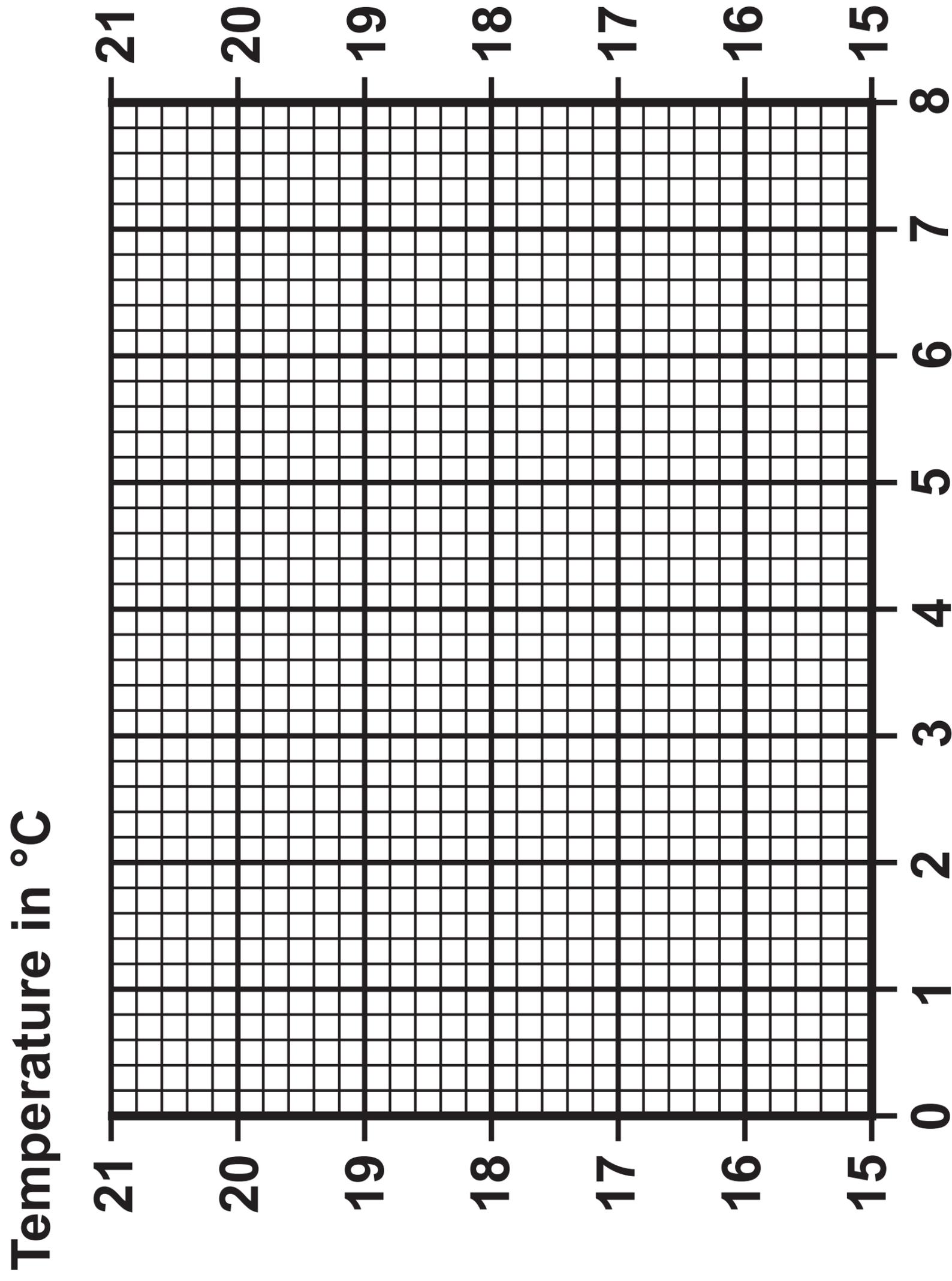


Question 10(c)(i)

16



Question 11(a)



Question 1(a)(i)

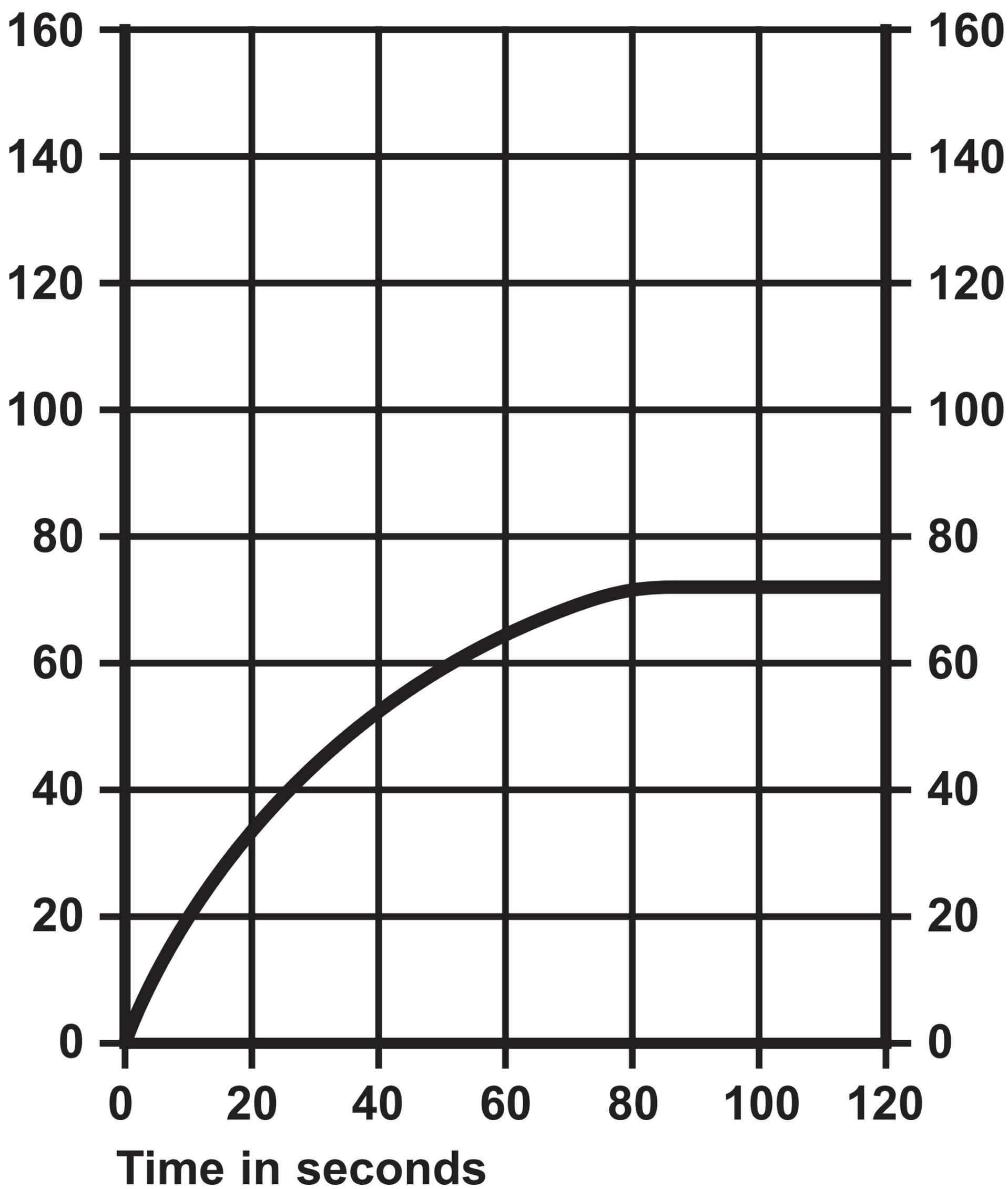
Question 2(a)

Substance	Mixture	Technique
solid sodium chloride	aqueous sodium chloride	
water	aqueous copper(II) sulfate	
sand	sand and water	

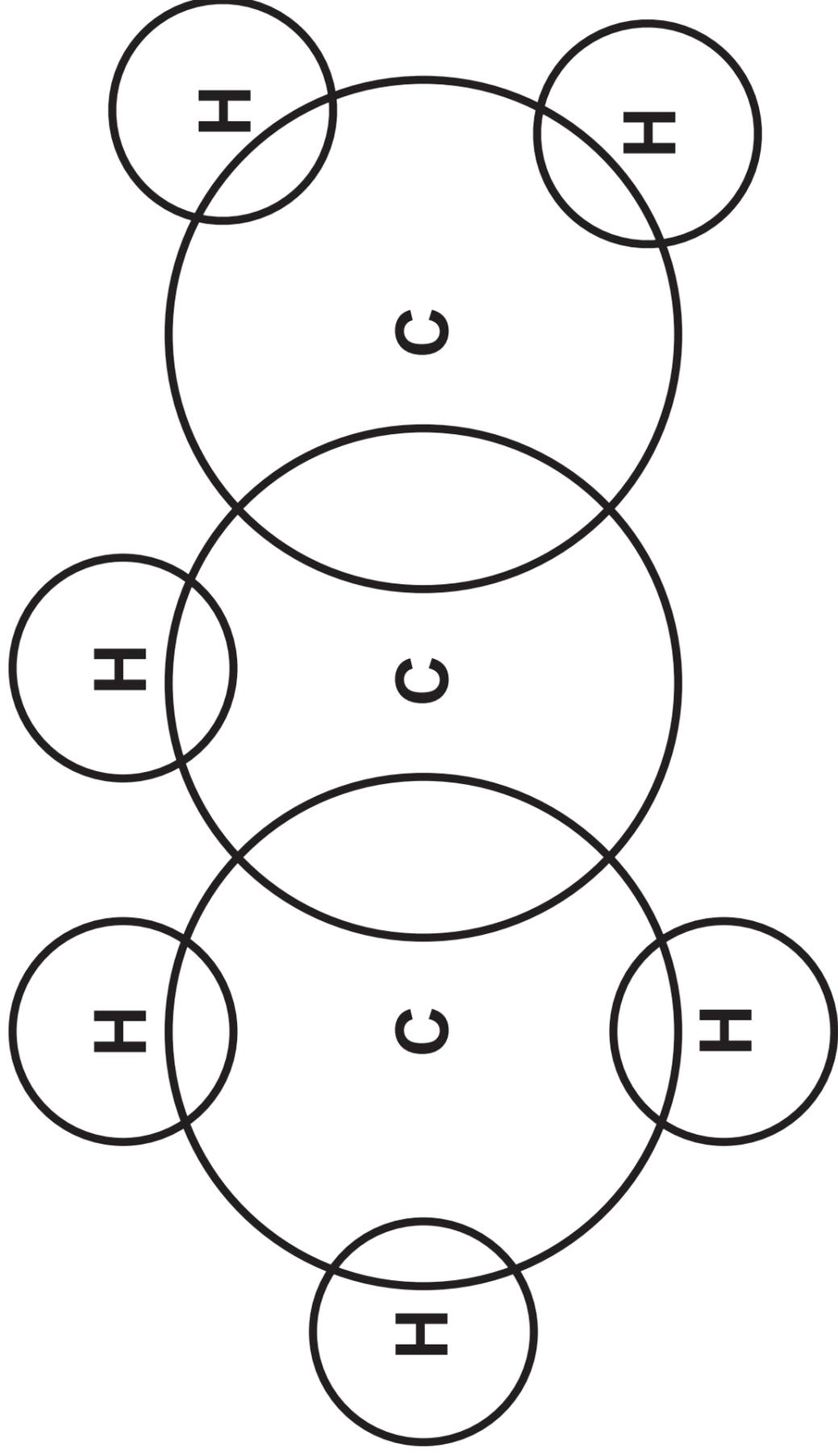
Question 4(a)

Information	Gas
the most abundant gas in air	
a toxic gas that is a product of incomplete combustion of hydrocarbons	
an unreactive gas that exists as atoms	
a gas produced by the fractional distillation of crude oil	

Question 6(d)

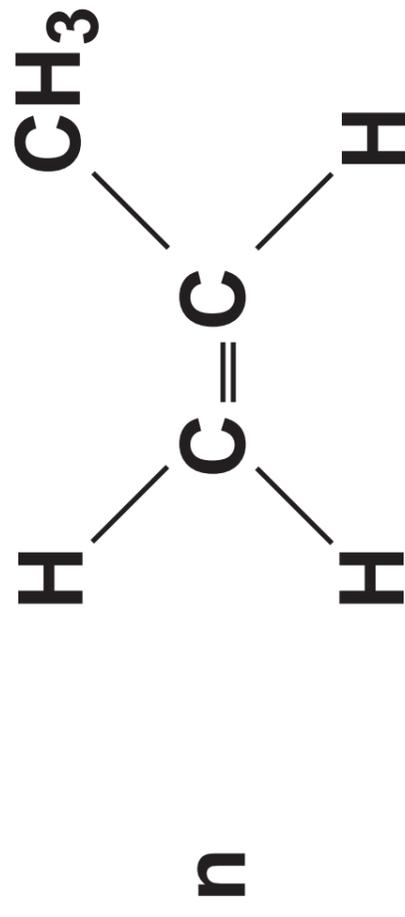
Volume of oxygen in cm^3 

Question 10(a)(i)



Question 10(c)(i)

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Question 11(a)

