

Paper Reference(s) 1SC0/2CH
Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Combined Science
PAPER 5
Higher Tier

Tuesday 13 June 2023 – Morning

Diagram Booklet

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

Surname					
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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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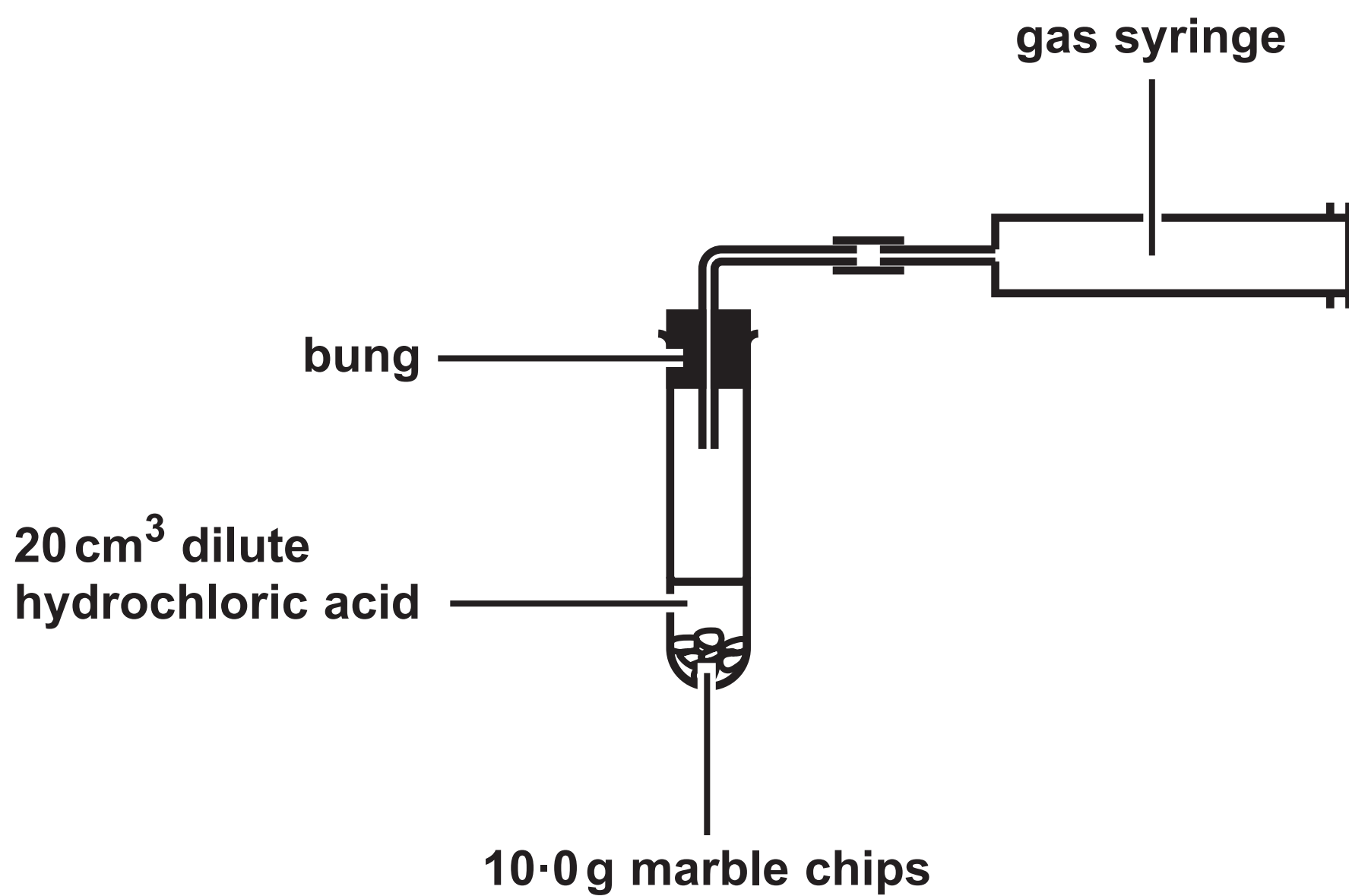
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Question 1

FIGURE 1



(continued on the next page)

FIGURE 2

time in minutes	0	1	2	3	4	5	6
volume of gas in cm ³	0	52	78	91	97	100	100

Question 1(a)

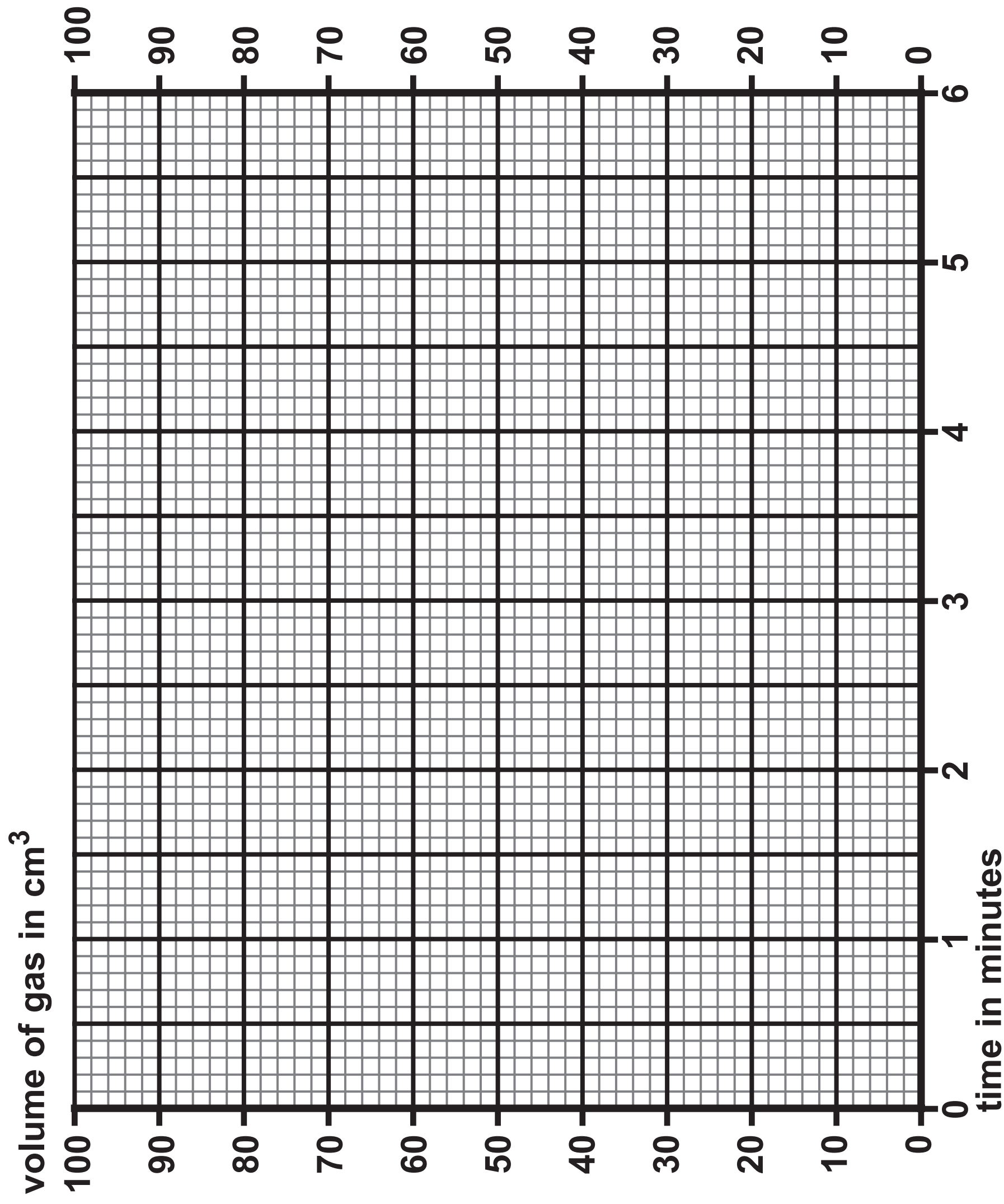


FIGURE 3

time interval	0 to 1 minute	1 to 2 minutes	2 to 3 minutes	3 to 4 minutes	4 to 5 minutes
rate of reaction in $\text{cm}^3 \text{min}^{-1}$	52	26		6	3

Question 2

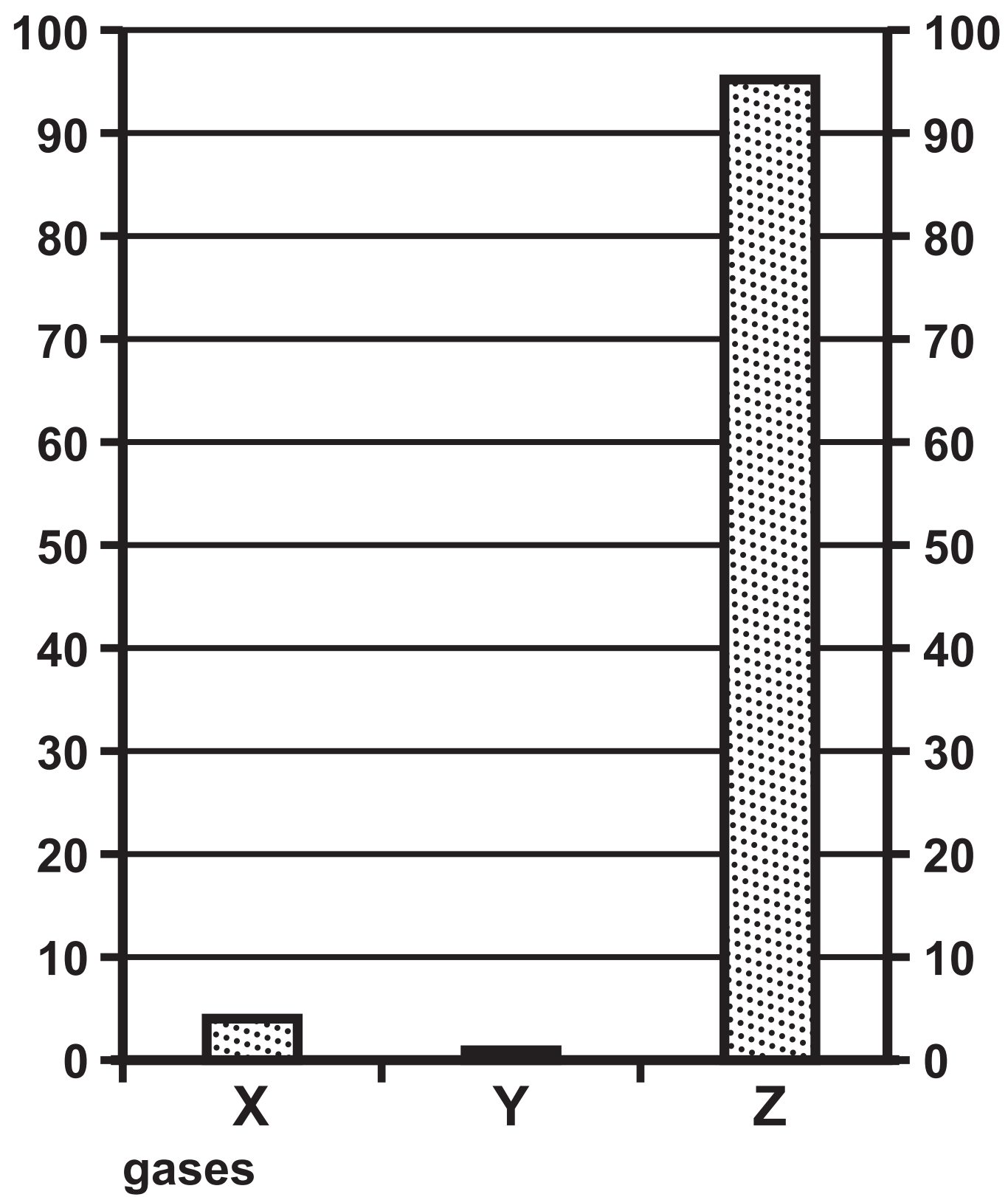
FIGURE 4

group 1 metal	atomic number	relative atomic mass
lithium	3	7
sodium	11	23
potassium	19	39
rubidium	37	85
caesium	55	133

Question 3(a)

FIGURE 5

percentage of gas in
Earth's early atmosphere



Question 4

FIGURE 6

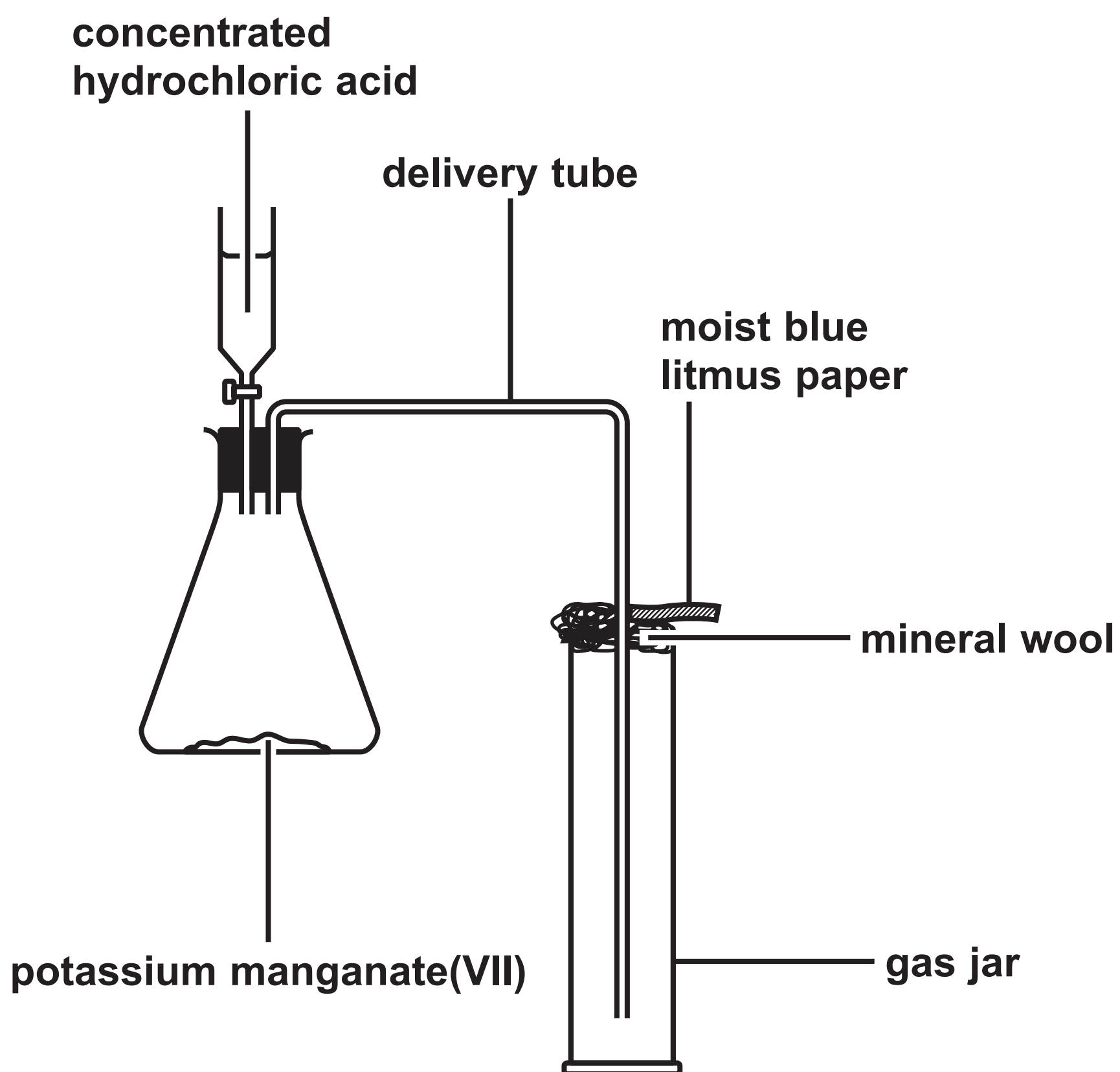




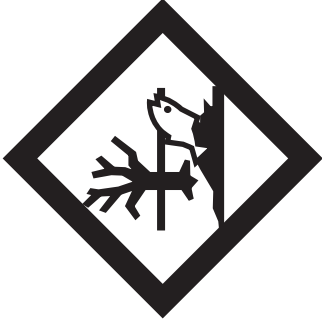

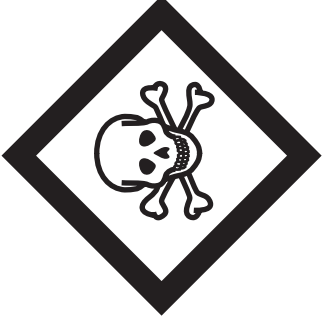
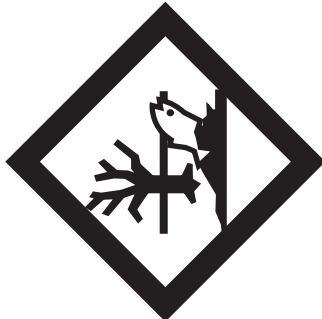
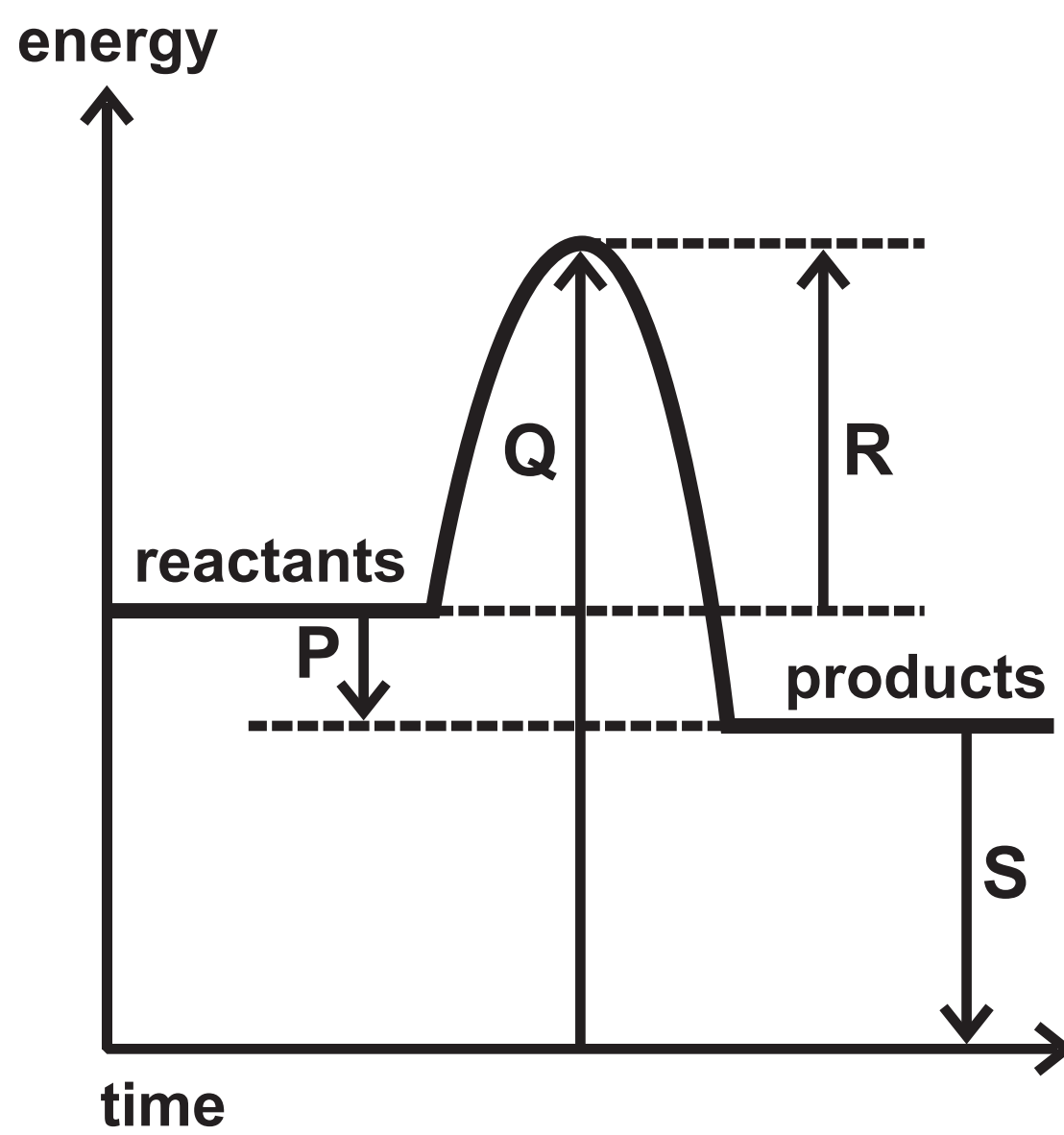


FIGURE 7

substance	hazard symbol		
concentrated hydrochloric acid			
potassium manganate(VII)			
chlorine gas			

Question 5(b)

FIGURE 8



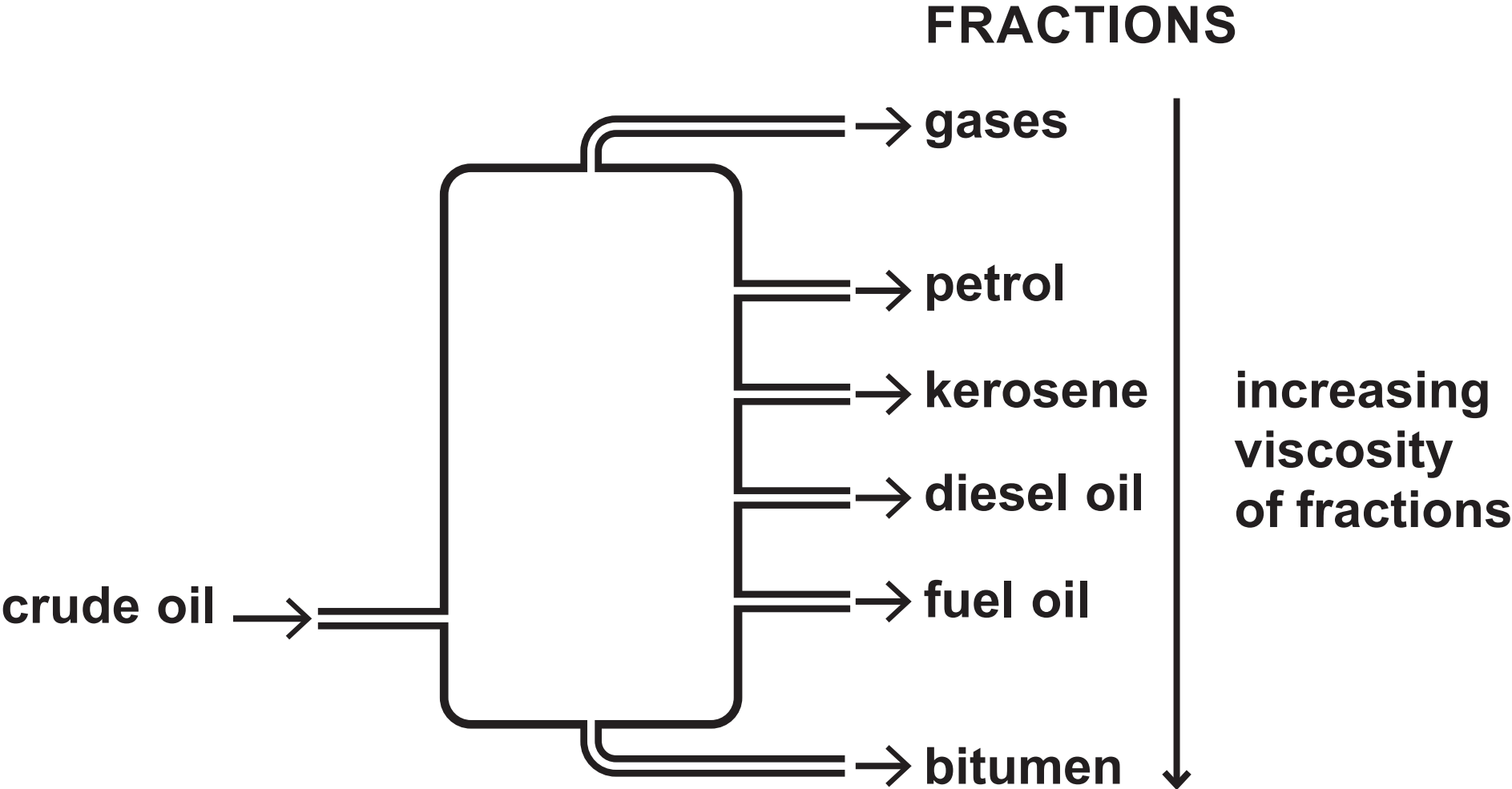
Question 5(b)(iii)

FIGURE 9

bond	bond energy in kJ mol^{-1}
$\text{N}\equiv\text{N}$	944
$\text{H}-\text{H}$	436
$\text{H}-\text{N}$	388

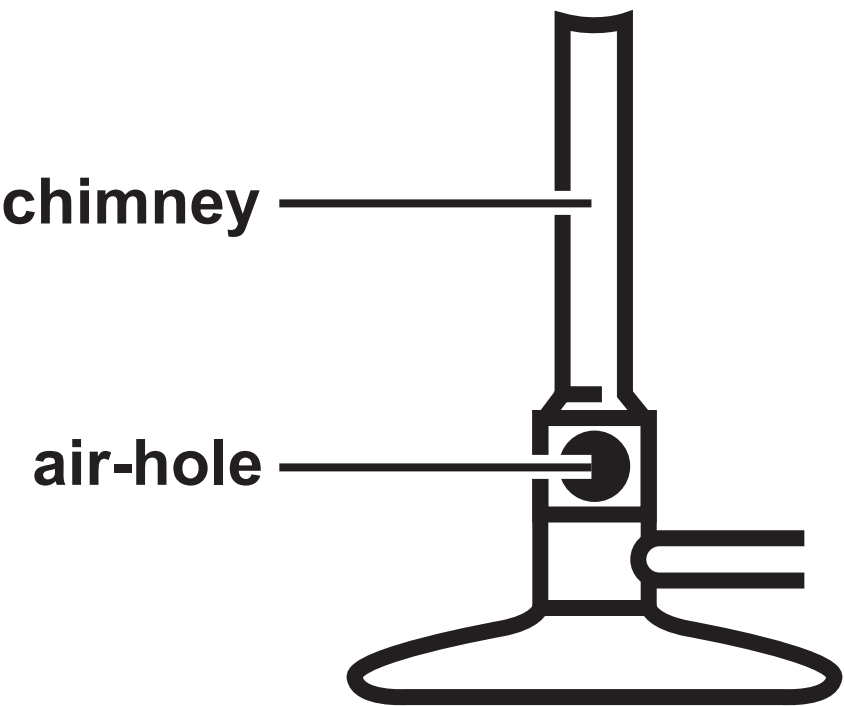
Question 6(a)

FIGURE 10



Question 6(c)

FIGURE 11



Question 1(a)

