

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

Chemistry
PAPER 1
Foundation Tier

Time: 1 hour 45 minutes

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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Question 1(b)(iii)

Diagram A

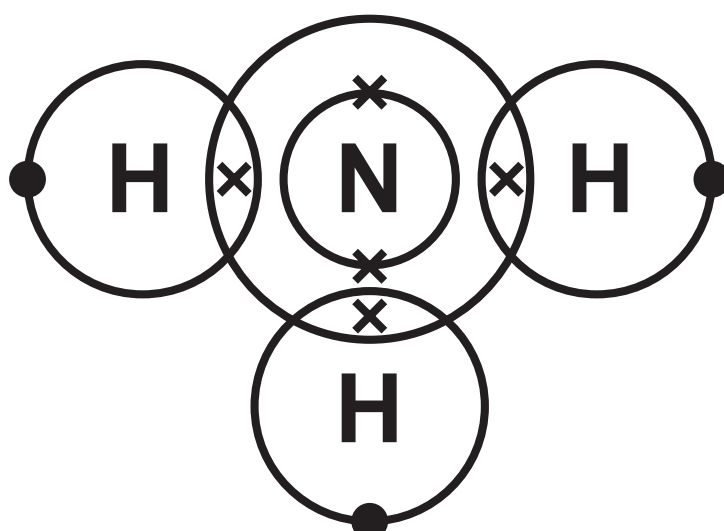


Diagram B

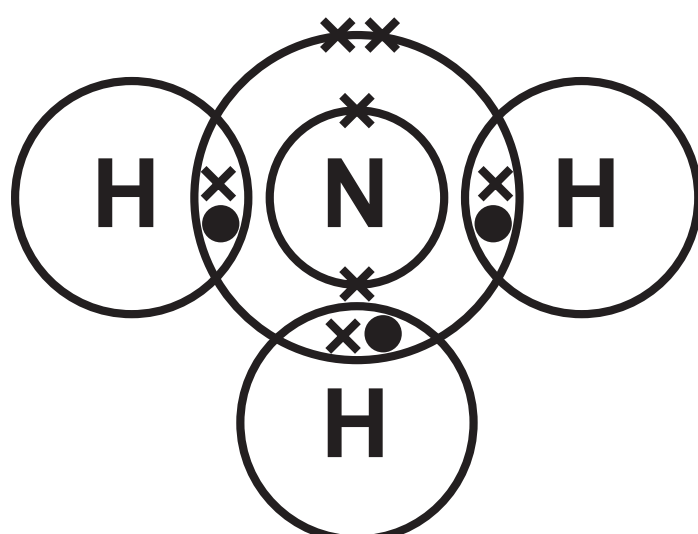


Diagram C

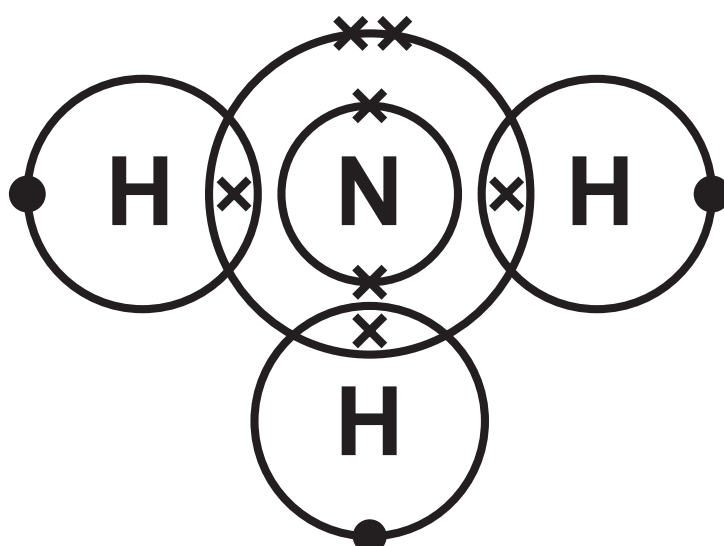
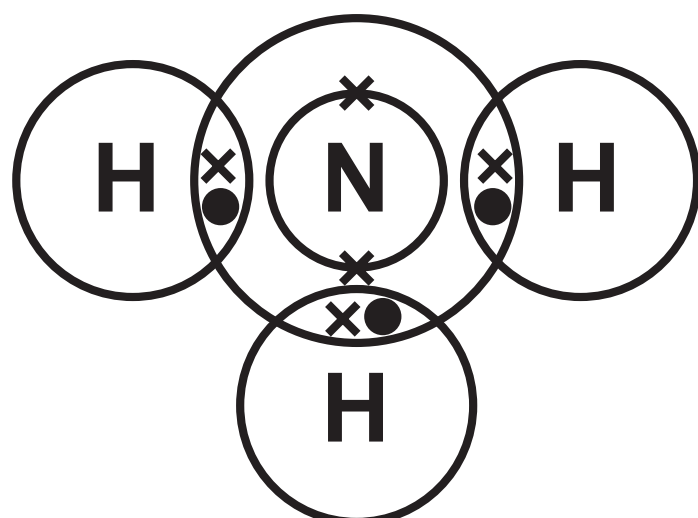


Diagram D



Question 1(c)



+

Question 1(c)



+

Question 2

FIGURE 4

substance	before heating	when hot	after cooling
metal spoon	solid	solid	solid
chocolate	solid	liquid	solid
egg white	liquid	solid	solid

Question 3(a)(i)

first	second	third
chlorination	sedimentation	filtration
chlorination	filtration	sedimentation
sedimentation	filtration	chlorination
sedimentation	chlorination	filtration

- ☐ A
- ☐ B
- ☐ C
- ☐ D

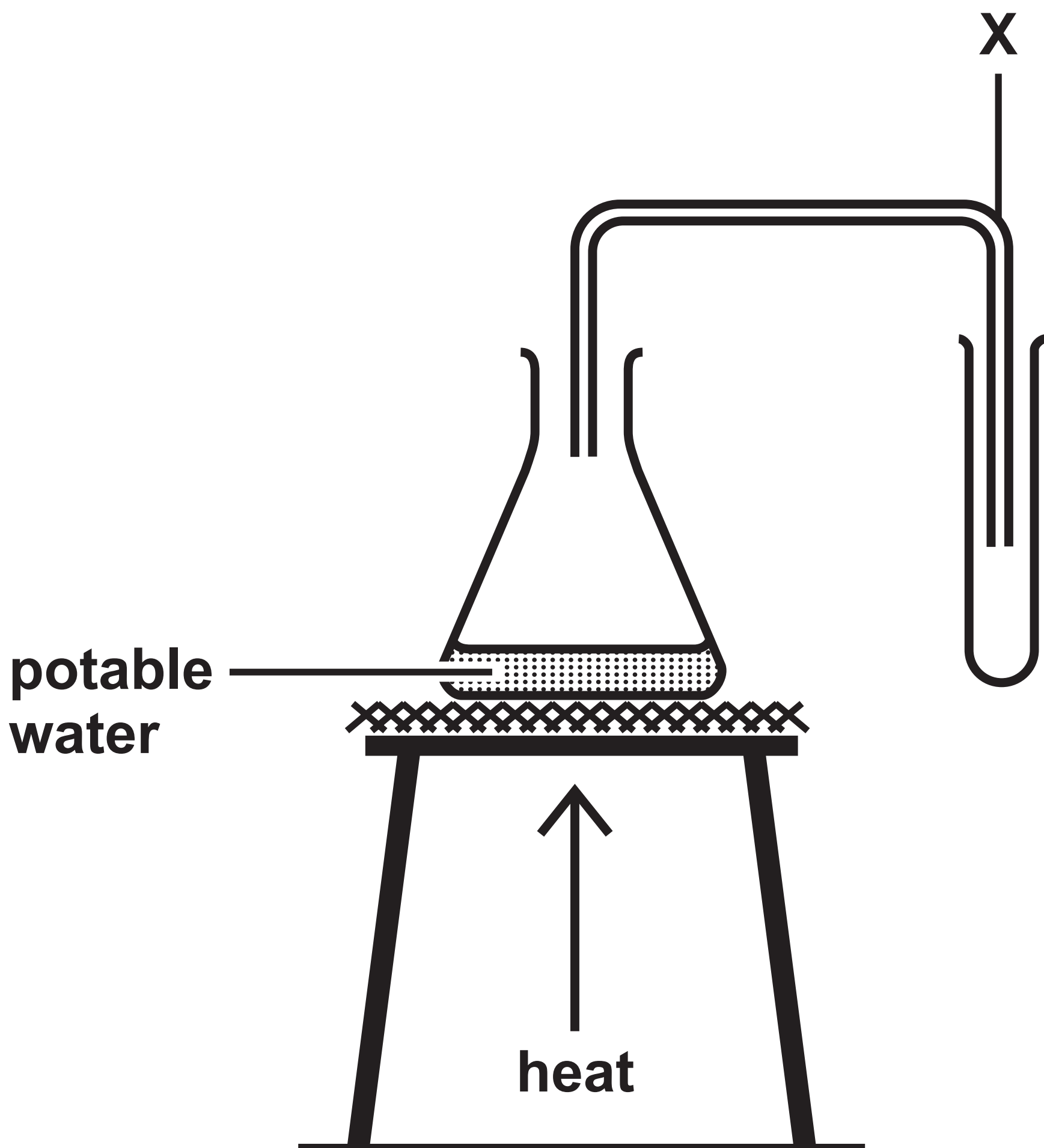
Question 3(a)(iv)

FIGURE 5

ion	concentration in mg dm ⁻³
chloride	60·70
fluoride	0·24
nitrate	24·90
sulfate	71·40
copper	0·05
magnesium	9·10

Question 3(b)

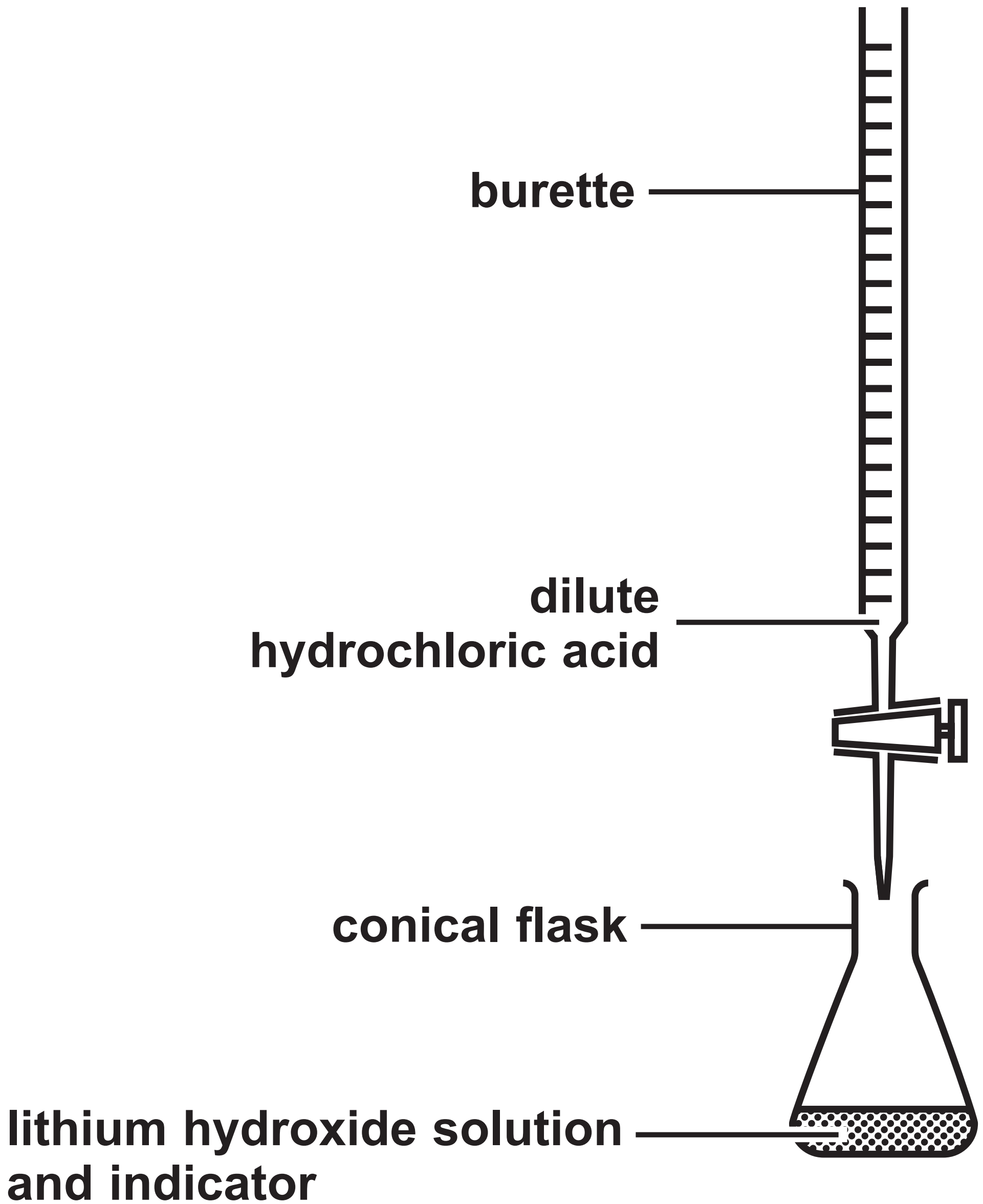
FIGURE 6



12

Question 4

FIGURE 7



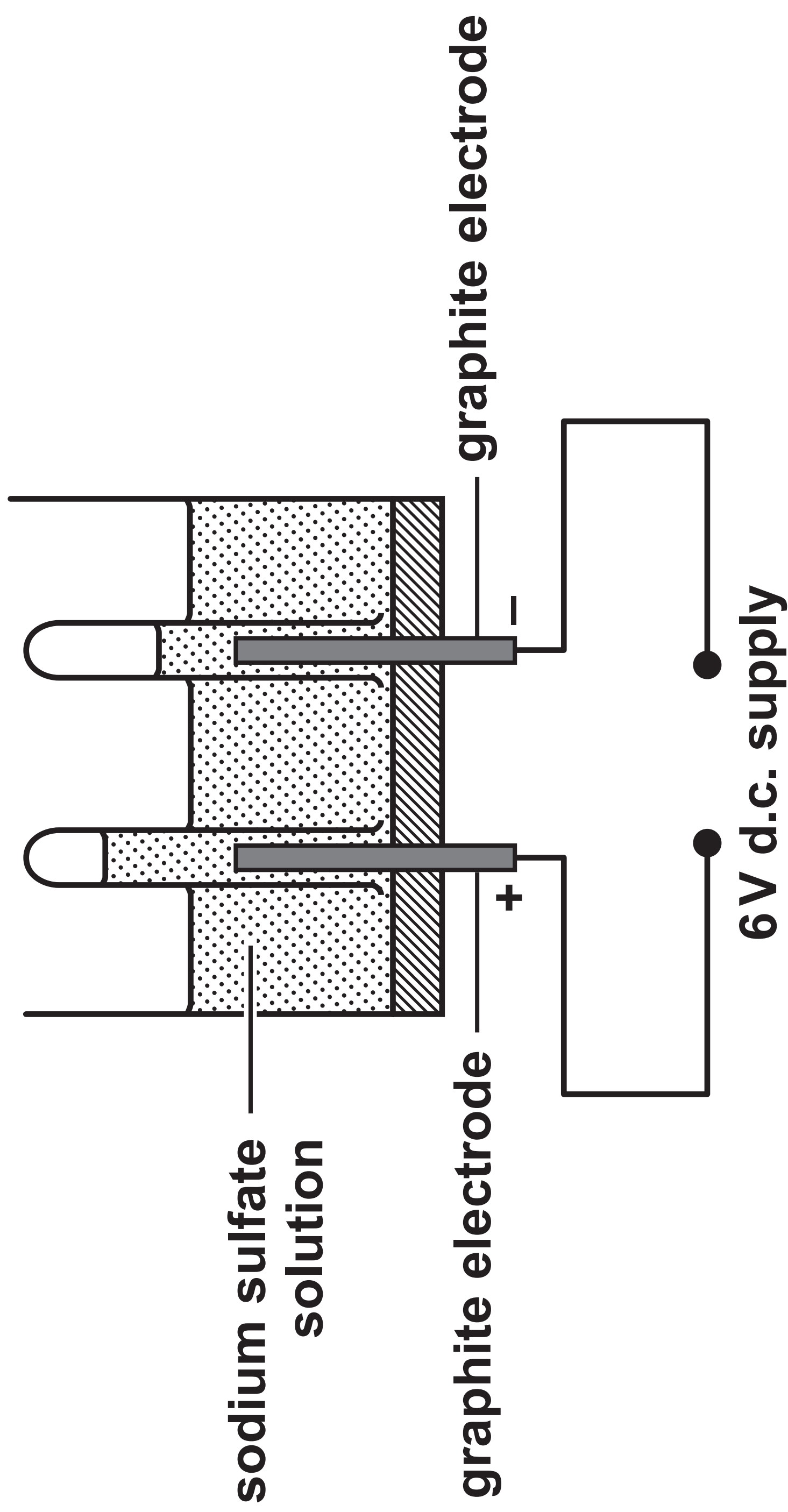
Question 5(c)(ii)

FIGURE 9

property	predicted property	actual property
relative atomic mass	about 68	70
density in g/cm³	about 6·0	5·9
melting point	lower than 40 °C	29·8 °C
density of oxide in g/cm³	about 5·5	5·9

Question 6(c)

FIGURE 10



Question 6(c)(i)

FIGURE 11



Question 6(c)(i)

FIGURE 11



Question 7(b)

FIGURE 12

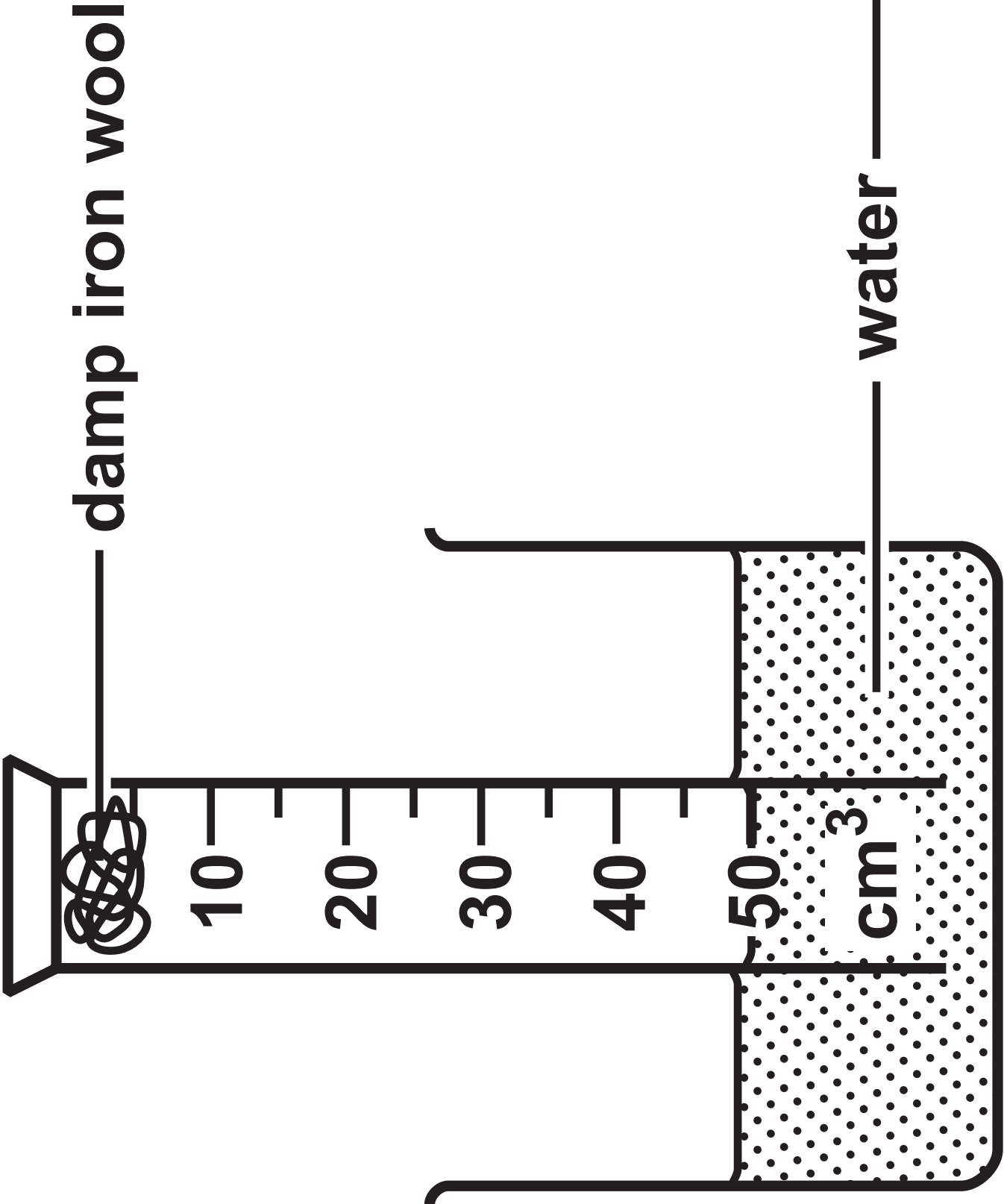
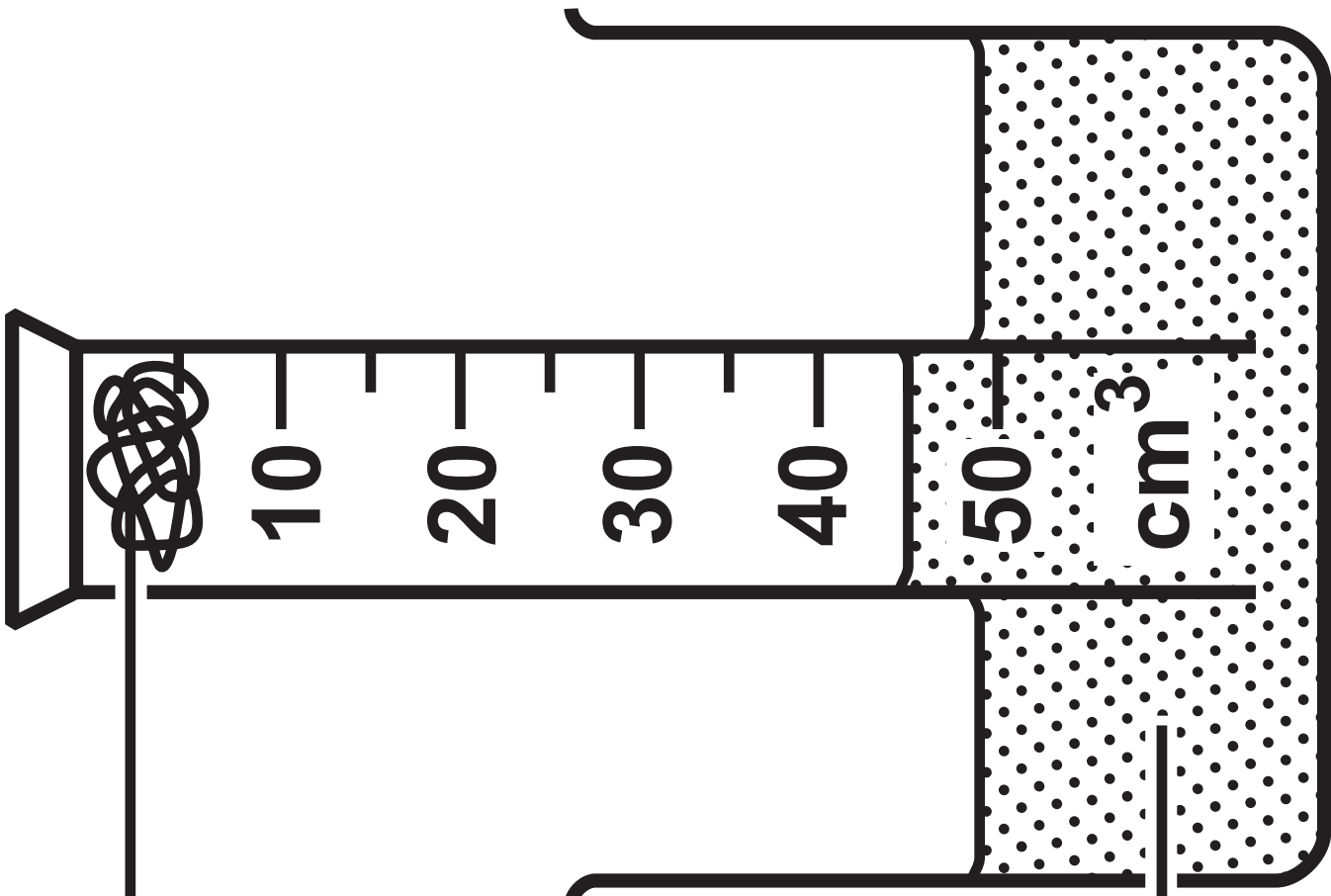


FIGURE 13



Question 8(a)

barium hydroxide	hydrochloric acid	barium chloride	water
solid	aqueous	aqueous	liquid
solid	liquid	solid	aqueous
aqueous	aqueous	solid	liquid
aqueous	liquid	aqueous	aqueous

☐ A

☐ B

☐ C

☐ D

Question 8(b)(iv)

pH of the mixture

mass of barium hydroxide in g

Question 8(b)(iv)

pH of the mixture

mass of barium hydroxide in g

Question 8(c)

FIGURE 15



Question 10(a)

FIGURE 16

	mass in g
mass of sucrose	100.00
mass of ethanol obtained from the reaction	8.07
theoretical mass of ethanol formed	53.80