

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

Combined Science
PAPER 2
Foundation Tier

Friday 17 May 2024 – Morning

Time: 1 hour 10 minutes

Diagram Booklet

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

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.

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Spare Copies

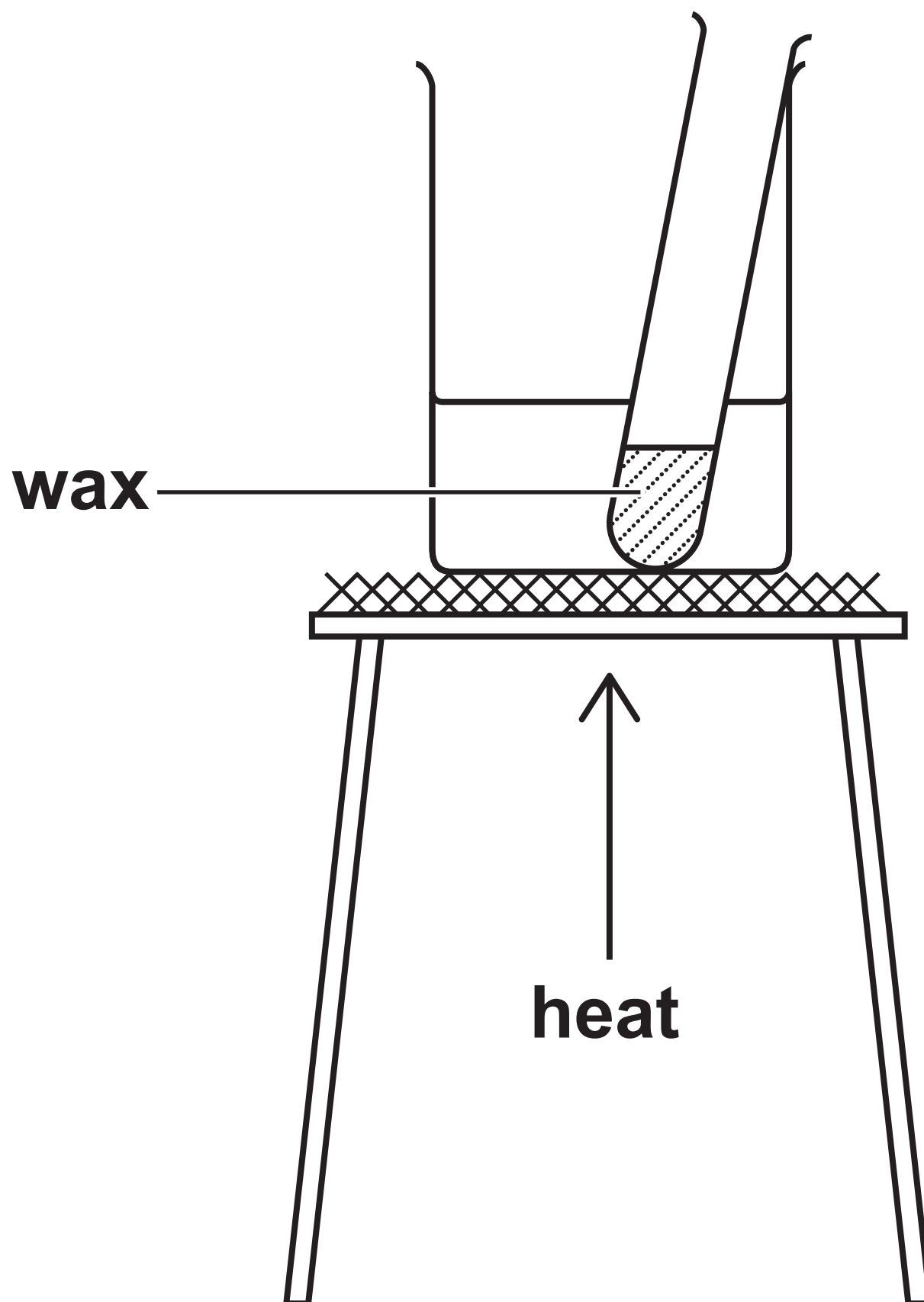
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Question 1

FIGURE 1



Question 1(a)

FIGURE 2

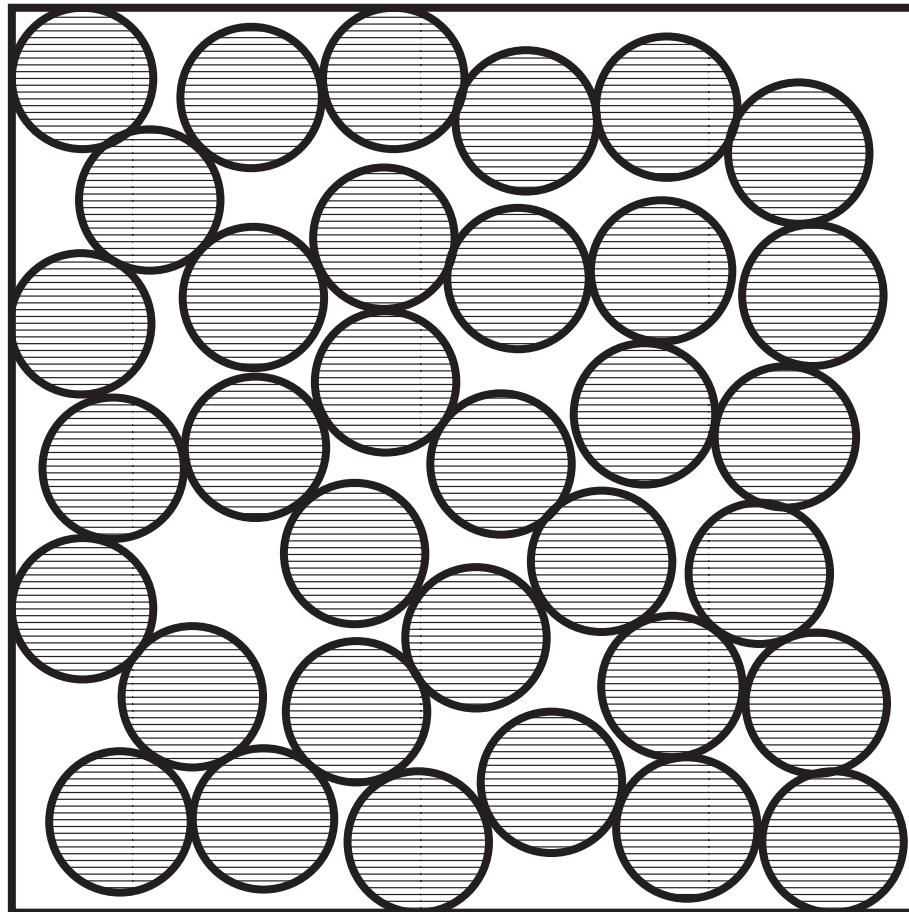
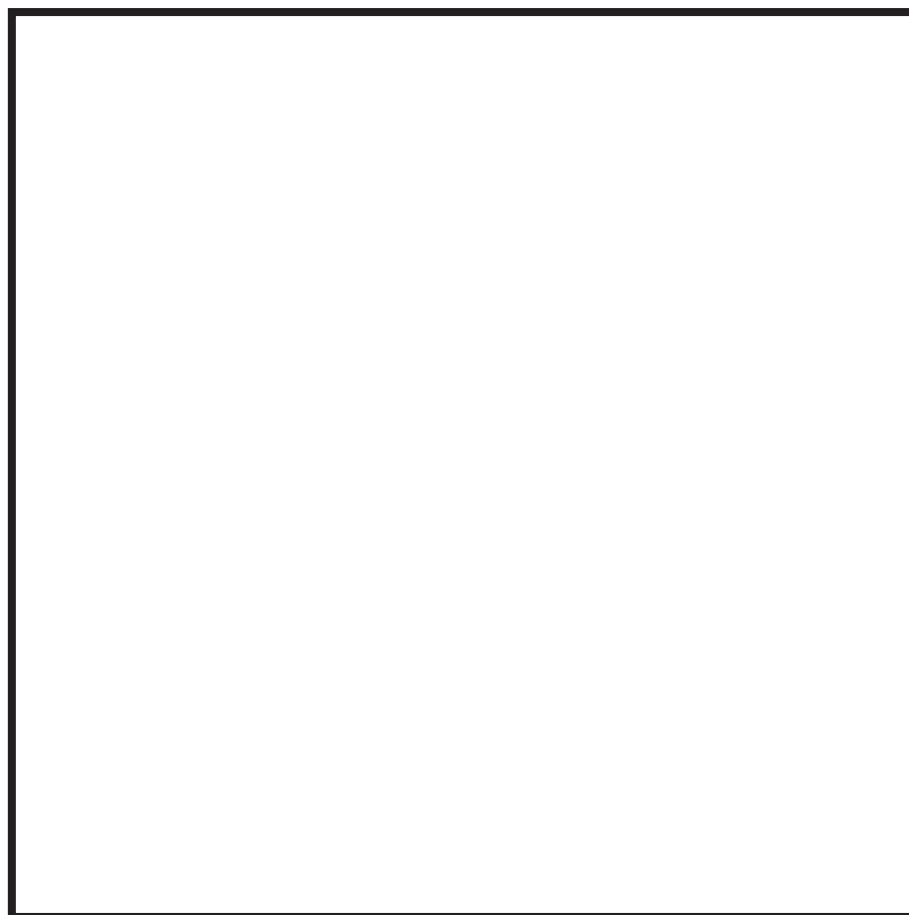
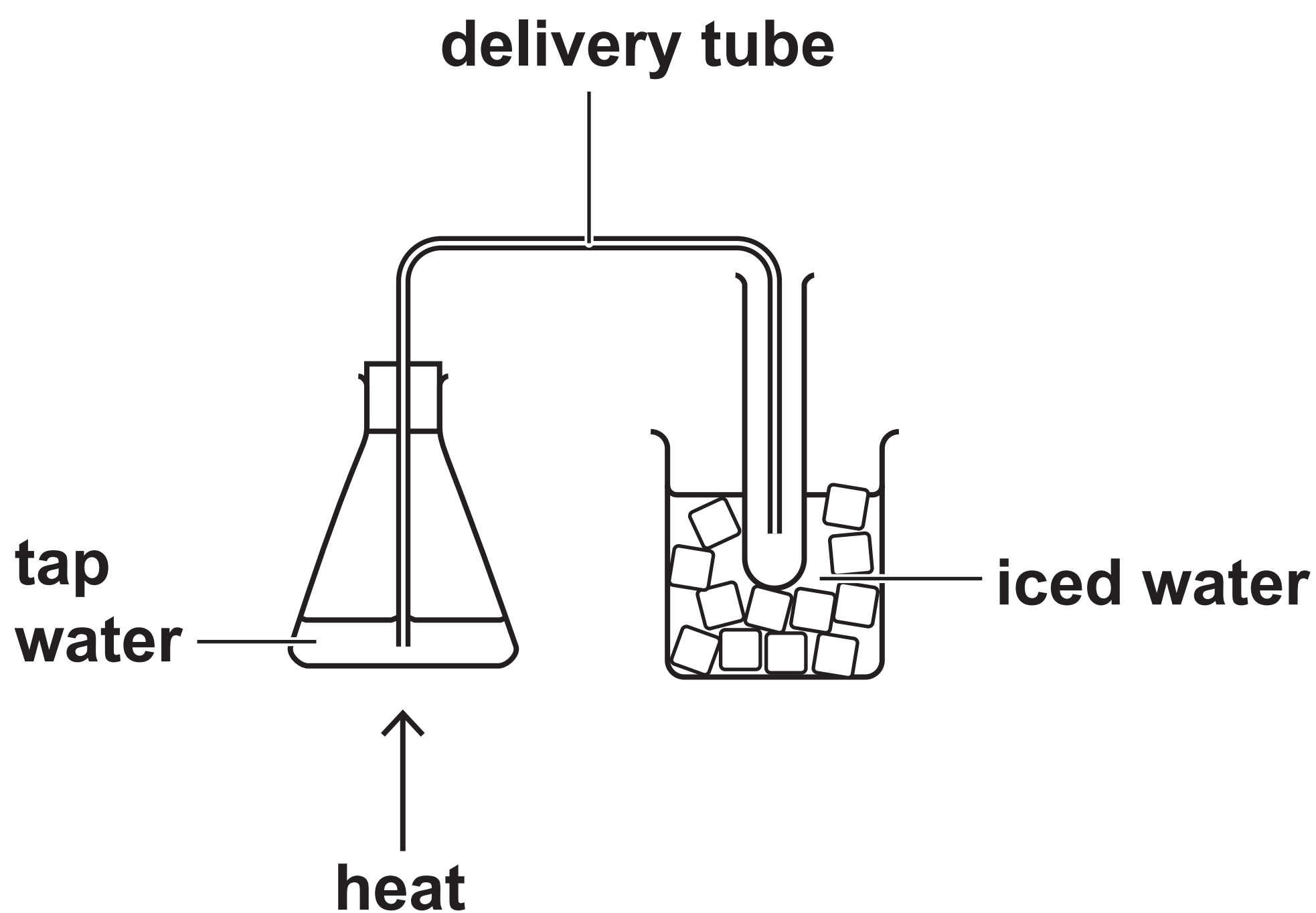


FIGURE 3



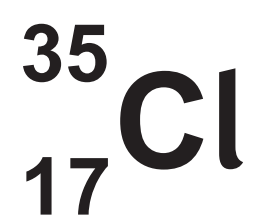
Question 2(c)

FIGURE 4



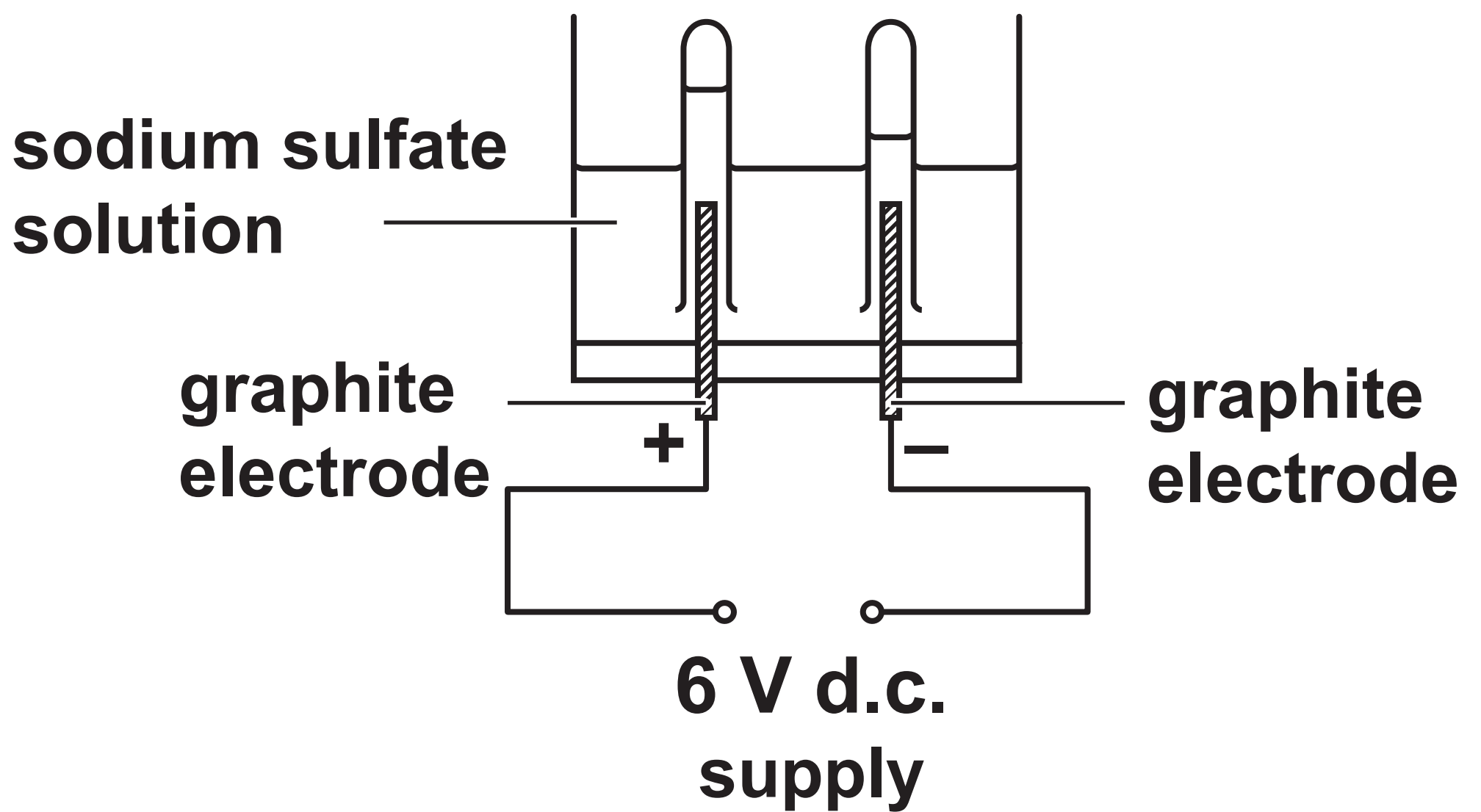
Question 3(a)

FIGURE 5



Question 4(c)

FIGURE 6



Question 4(c)(iii)

ELECTRODE

PRODUCT

anode •

cathode •

• hydrogen

• hydroxide

• oxygen

• sodium

The image shows a blank graph grid. The x-axis is labeled 'number of spatula measures' and ranges from 0 to 8. The y-axis is labeled 'number of spatula measures' and ranges from 0 to 14. The grid consists of 9 columns and 15 rows of squares. The x-axis labels are 0, 1, 2, 3, 4, 5, 6, 7, 8. The y-axis labels are 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14.

Question 5(c)

FIGURE 8



Question 6(b)

$$\text{percentage by mass of element} = \frac{\text{total relative atomic mass of element}}{\text{relative formula mass of compound}} \times 100$$

(relative atomic masses: C = 12,
O = 16, Na = 23)

FIGURE 9

observations and results			
	reaction with dilute sulfuric acid	gas bubbled through limewater	gas tested with a lit splint
solid A	bubbles seen colourless solution formed	no change	squeaky pop
solid B	blue solution formed some black solid remains at bottom of test tube	no gas produced	no gas produced
solid C	bubbles seen colourless solution formed	limewater turned cloudy	puts out lit splint

Question 1(a)

FIGURE 2

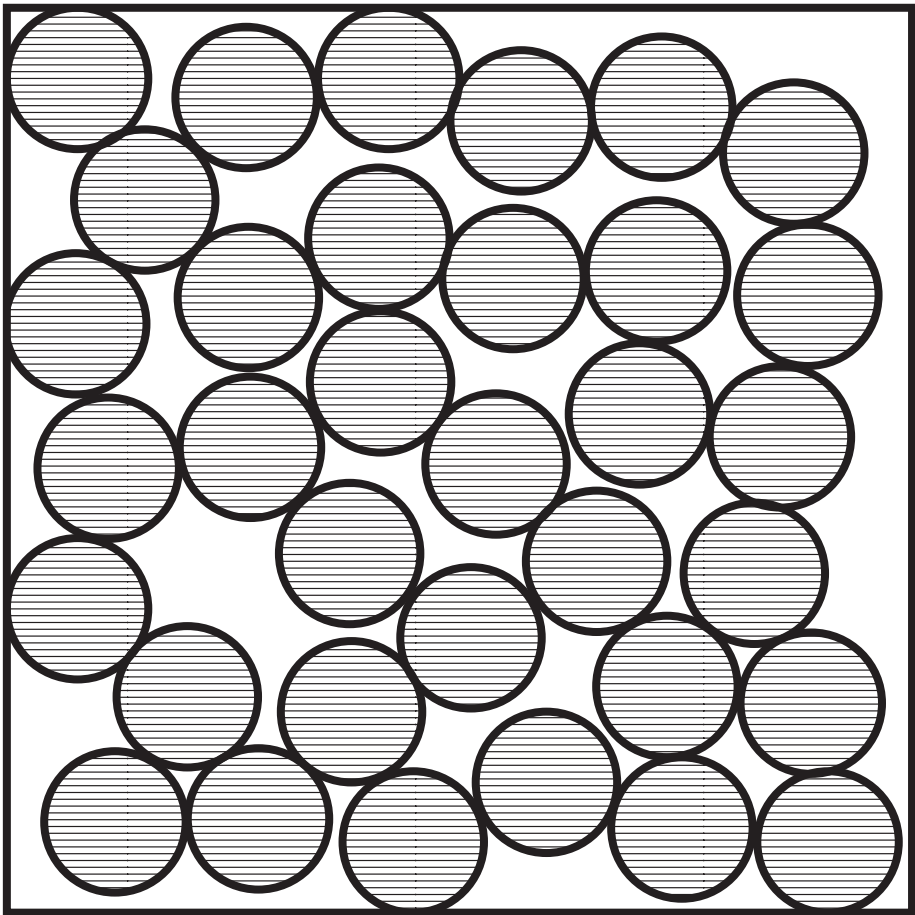
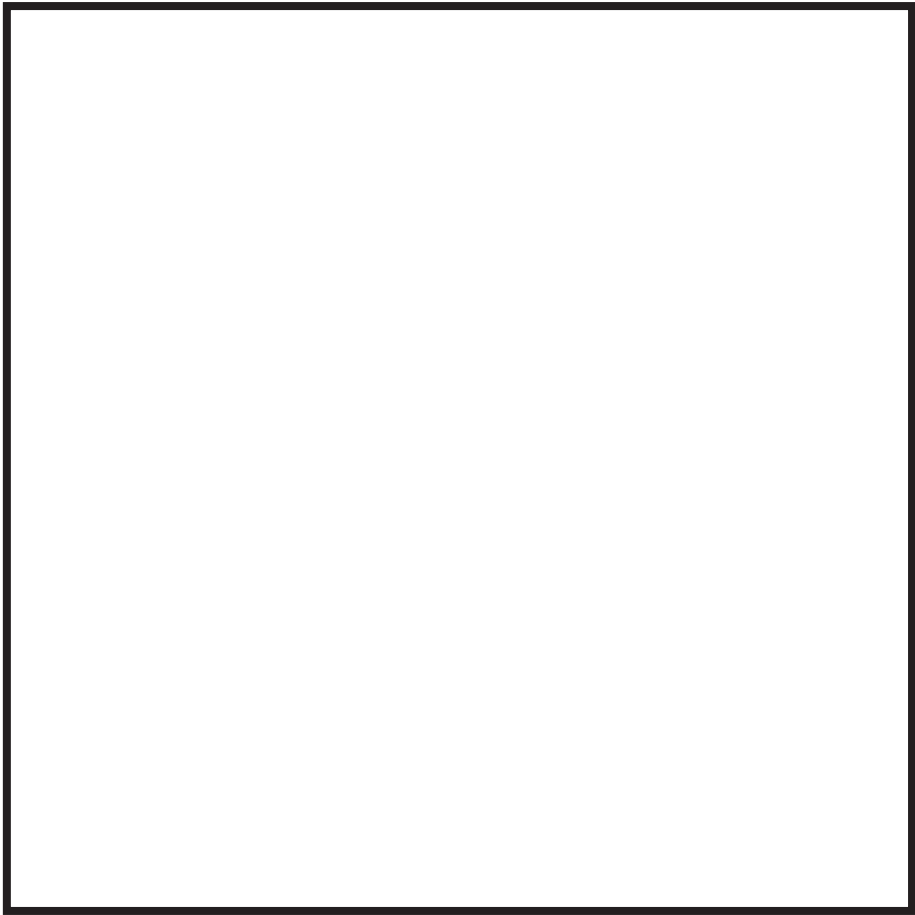


FIGURE 3



Question 4(c)(iii)

ELECTRODE

PRODUCT

anode •

cathode •

• hydrogen

• hydroxide

• oxygen

• sodium

Question 5(b)(iii)

pH of mixture

