

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

Combined Science
PAPER 2
Foundation Tier

Monday 22 May 2023 – Morning

Time: 1 hour 10 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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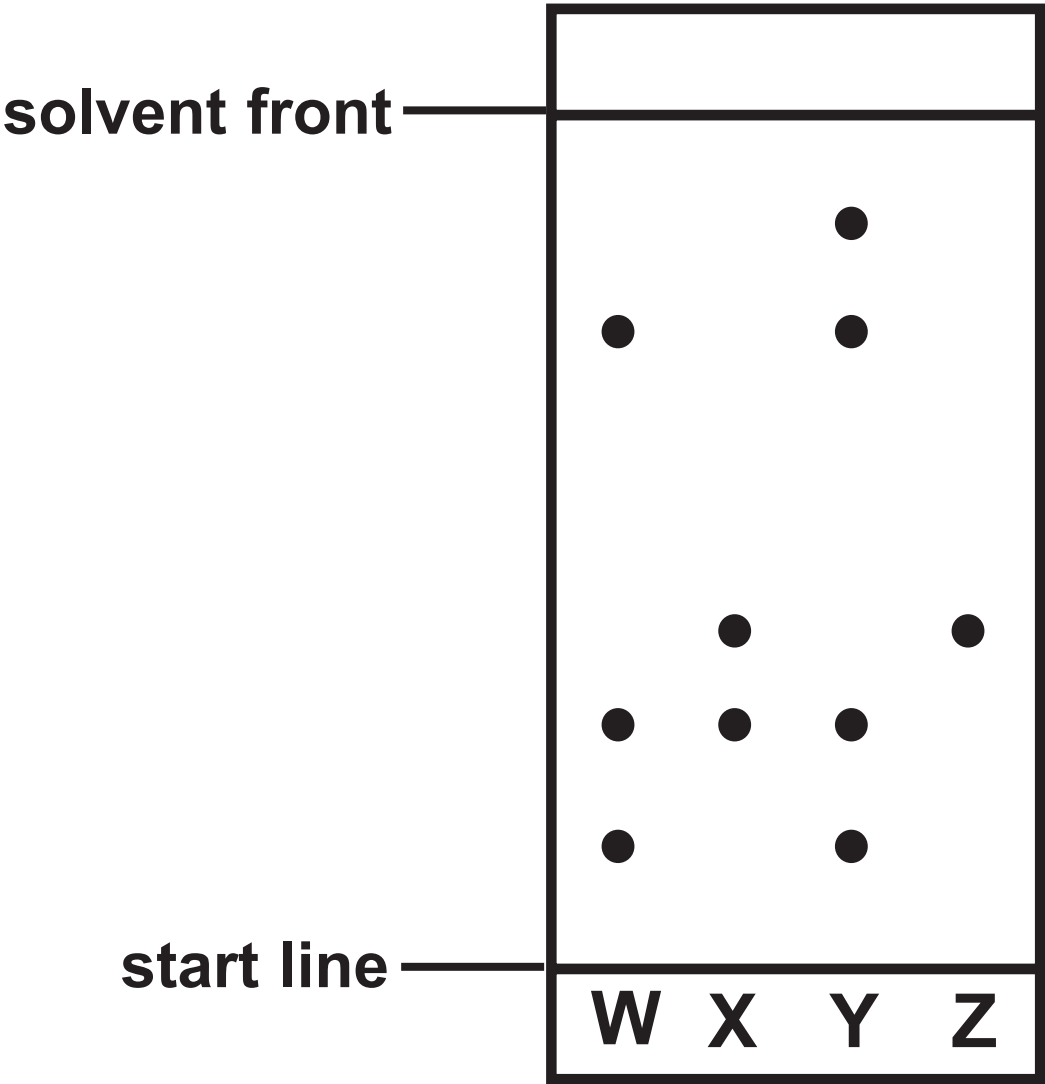
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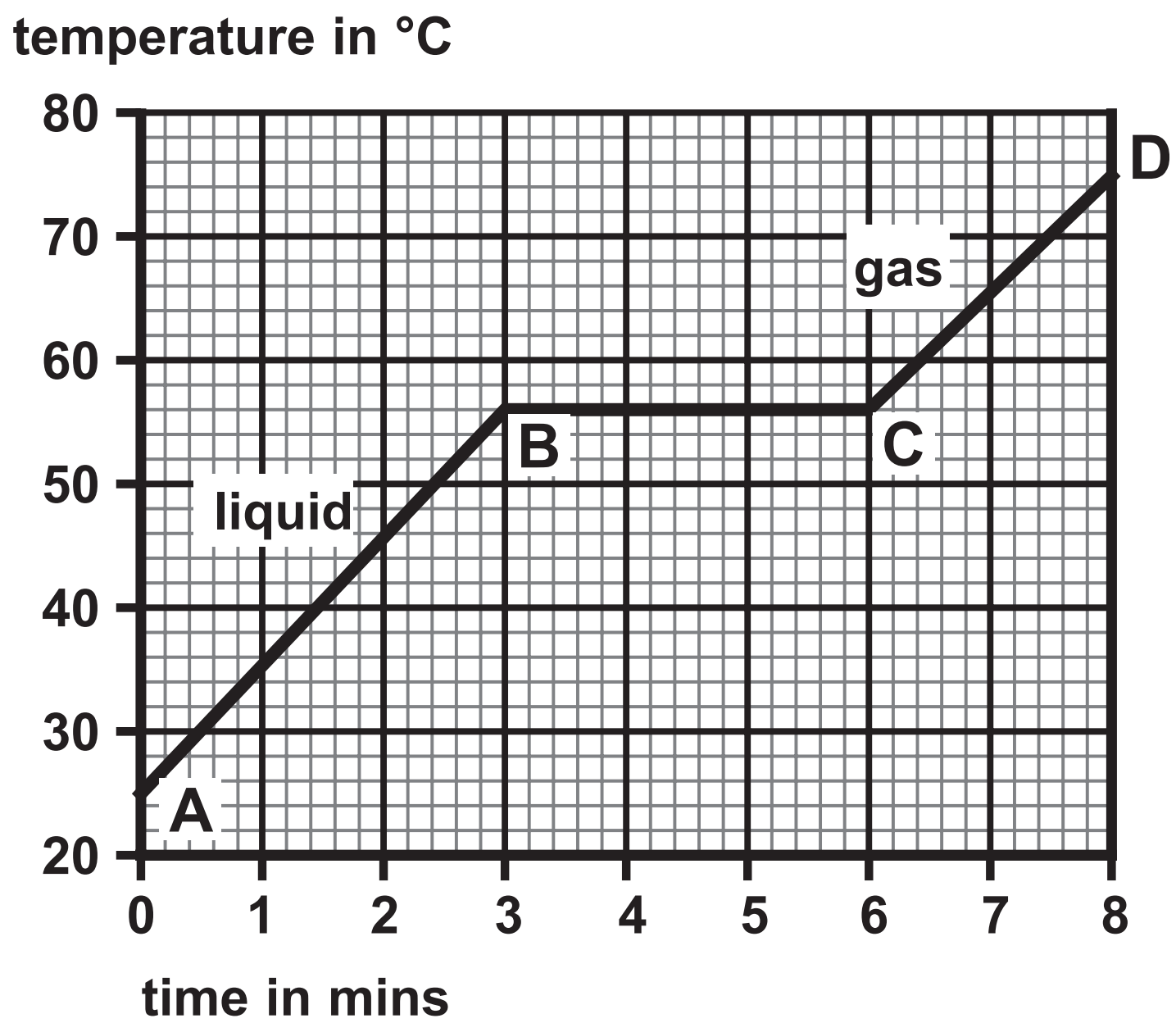
Question 1(a)

FIGURE 1



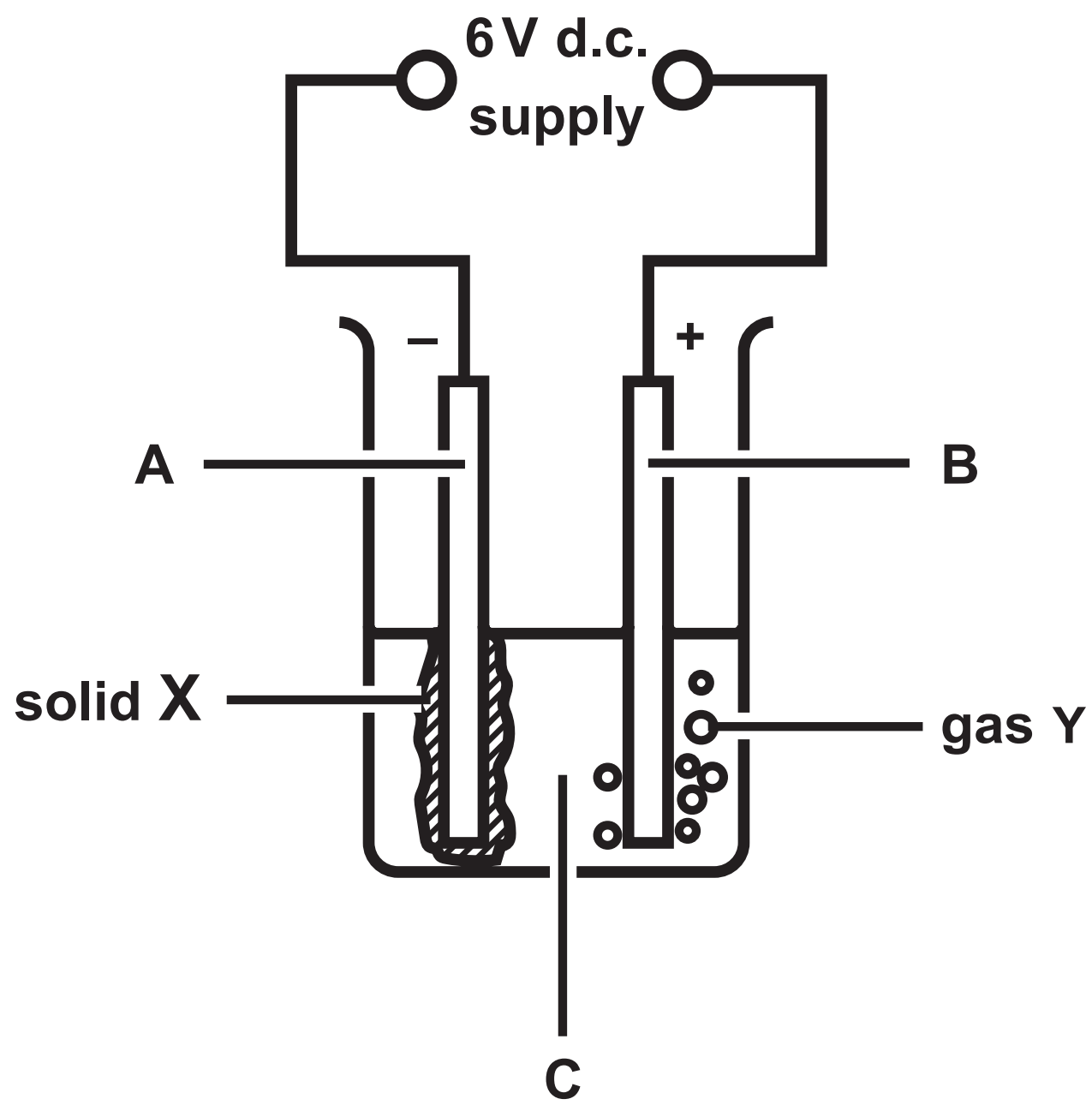
Question 1(b)

FIGURE 2



Question 2(b)

FIGURE 3



Question 2(b)(ii)

PRODUCT	NAME
<div>solid X</div>	<div>carbon</div>
	<div>chlorine</div>
	<div>copper</div>
<div>gas Y</div>	<div>hydrogen</div>

Question 3(a)(ii)

Diagram A



Diagram B



Diagram C

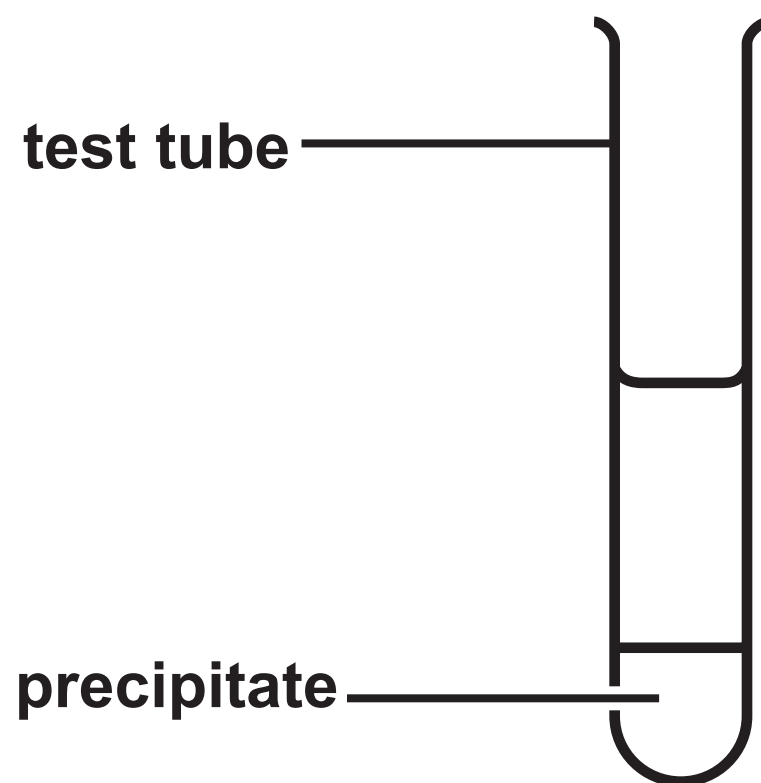


Diagram D



Question 3(b)

FIGURE 4



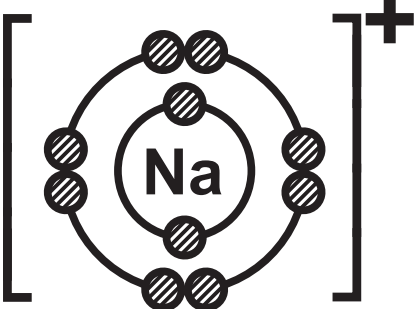
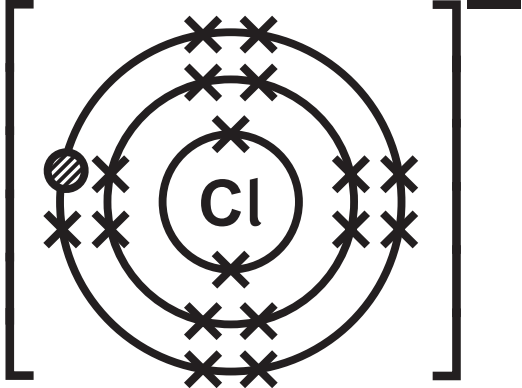
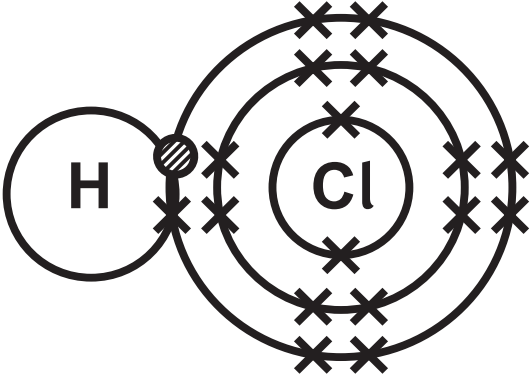
Question 3(b)(ii)

FIGURE 5

experiment	height of precipitate in cm
1	2·4
2	2·7
3	2·4

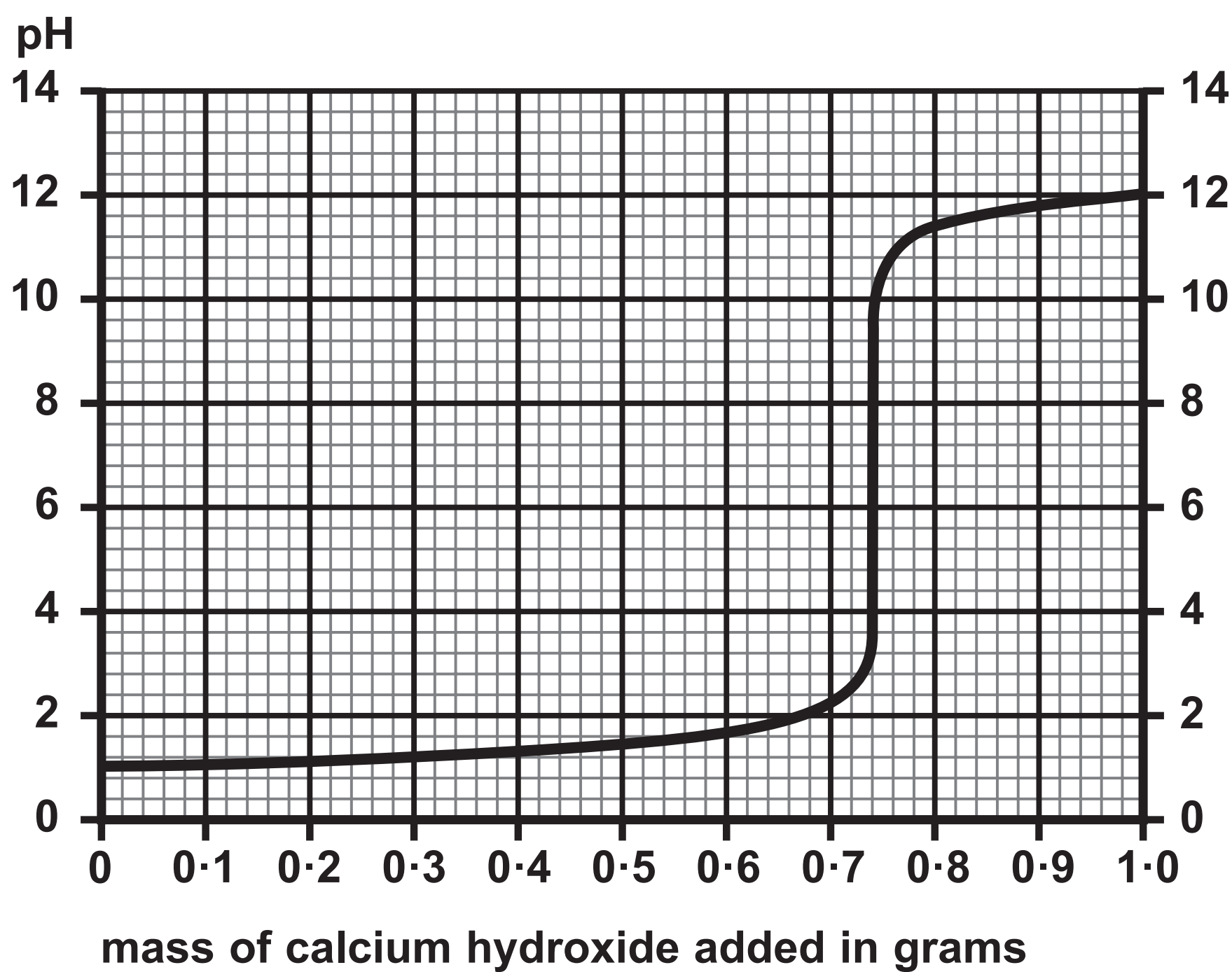
Question 4(d)

FIGURE 6

sodium chloride (ionic bonding)	hydrogen chloride (covalent bonding)
<div><div>sodium ion</div><div></div></div> <div><div>chloride ion</div><div></div></div>	<div></div>

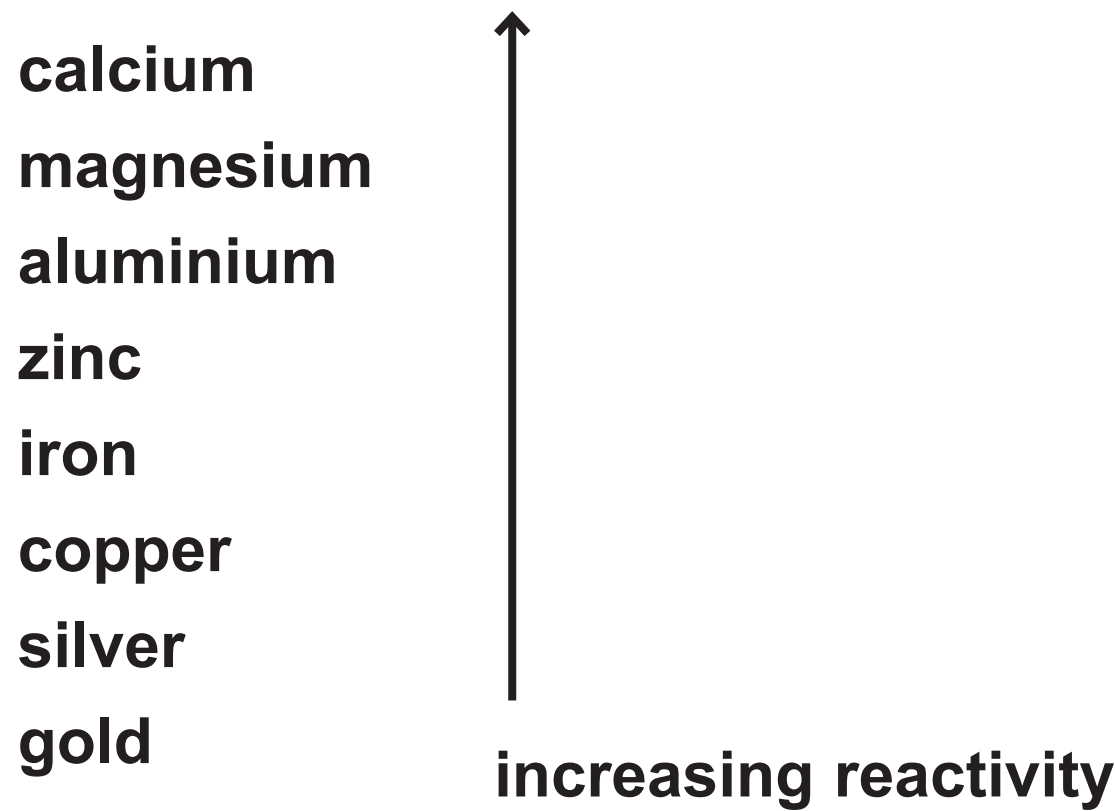
Question 5(d)

FIGURE 7



Question 6

FIGURE 8



Question 6(b)

FIGURE 9

metal	observations
magnesium	
zinc	bubbles produced at a steady rate test tube feels slightly warm
iron	
copper	no reaction

Question 2(b)(ii)

PRODUCT	NAME
<div>solid X</div>	<div>carbon</div>
	<div>chlorine</div>
	<div>copper</div>
<div>gas Y</div>	<div>hydrogen</div>