

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

Combined Science  
PAPER 2  
Higher 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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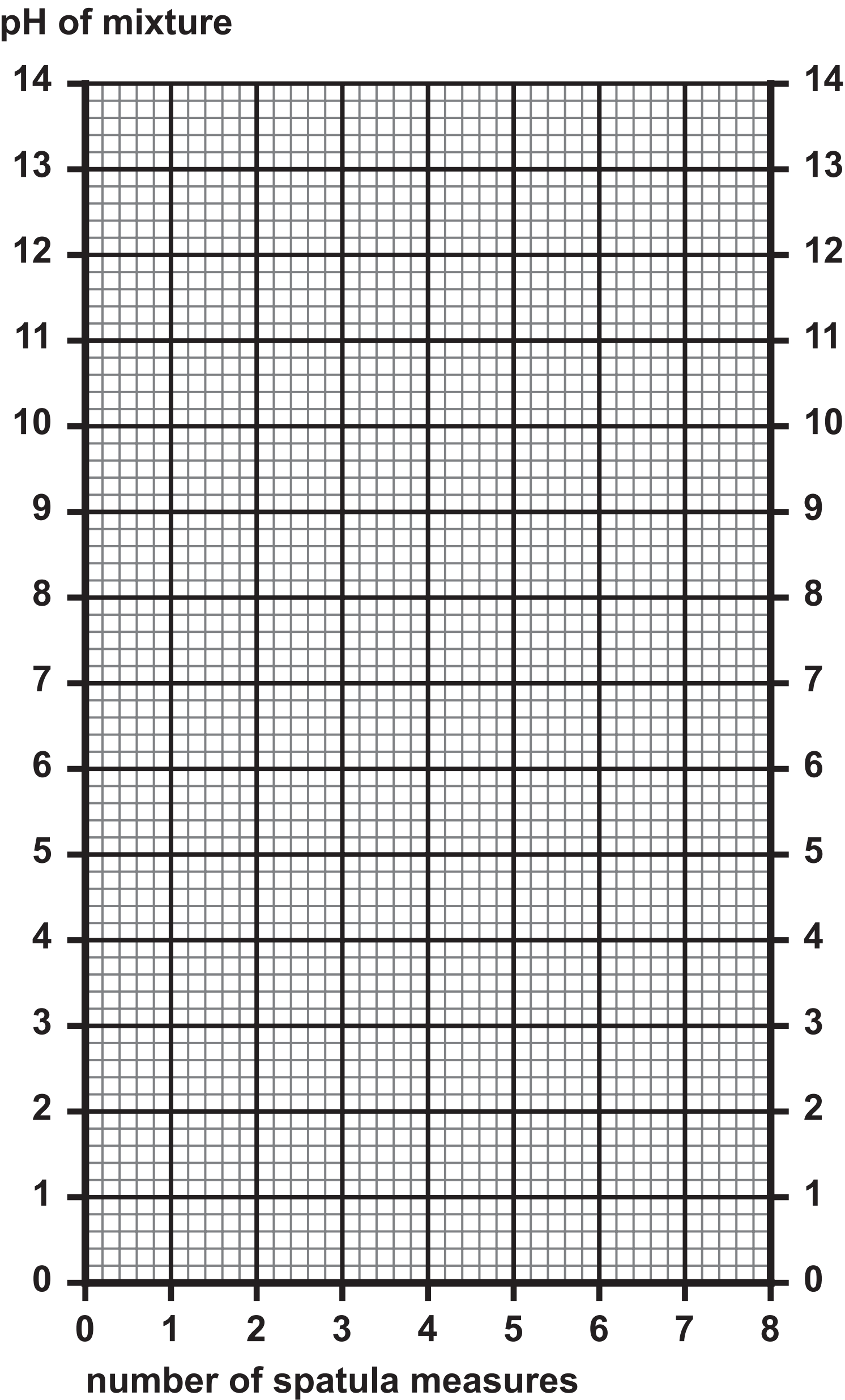
### **Spare Copies**

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Question 1(a)(i)

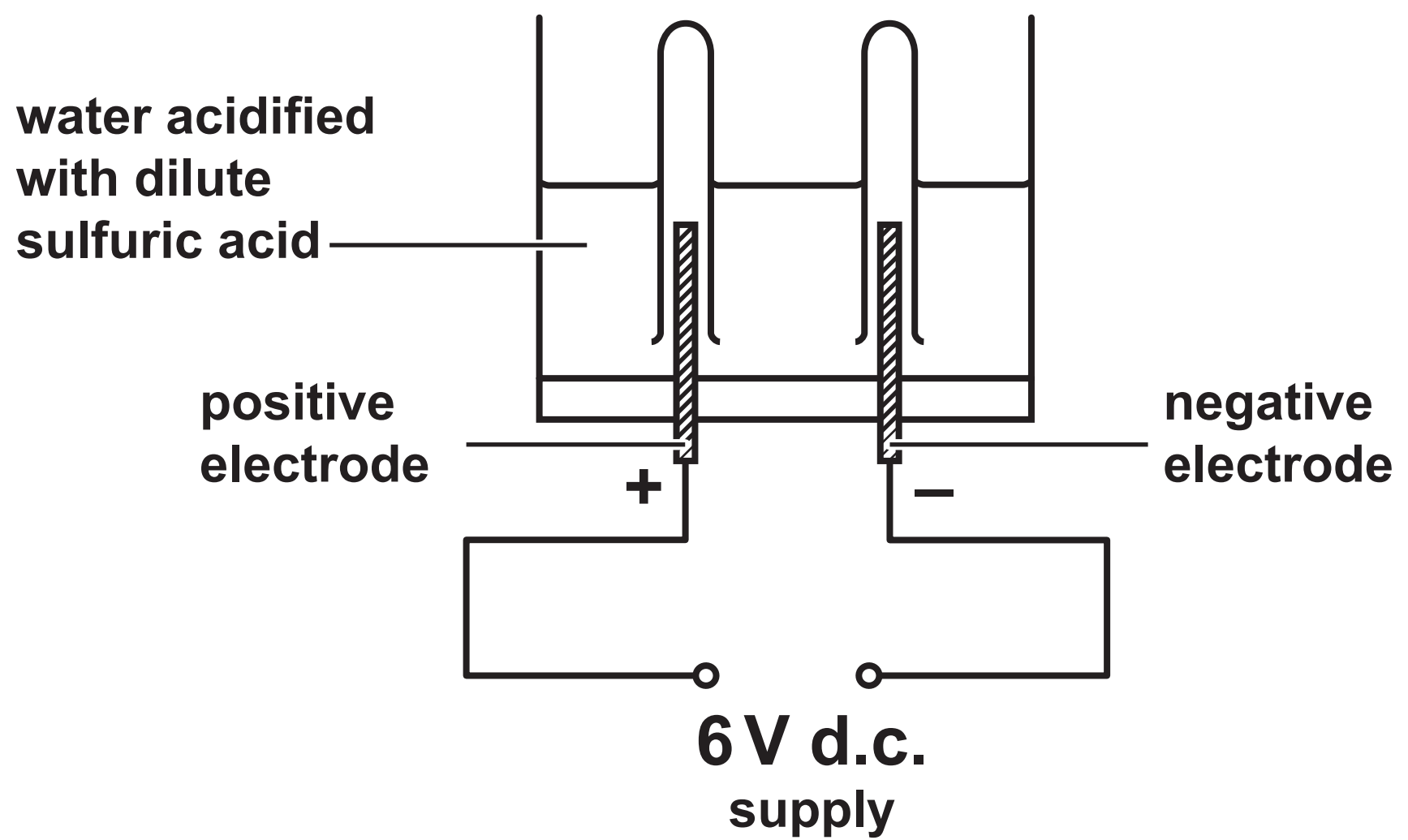


Question 1(b)(iii)



## Question 4(a)

FIGURE 2



Question 4(a)(ii)

diagram A

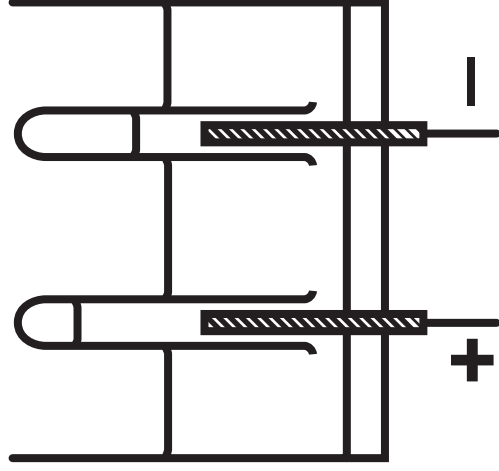


diagram B

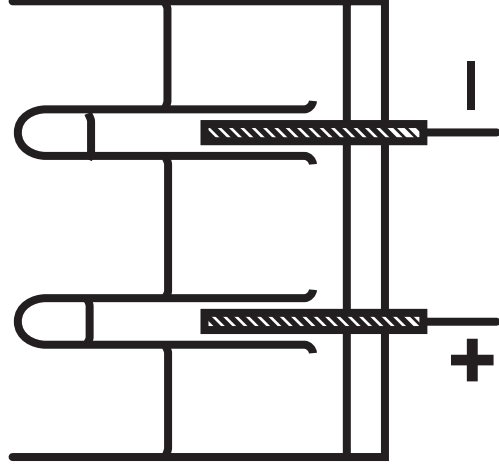


diagram C

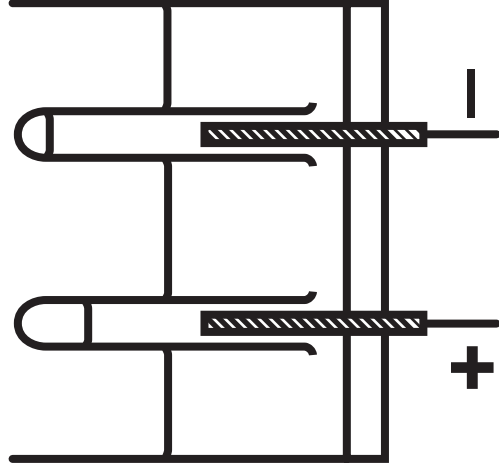
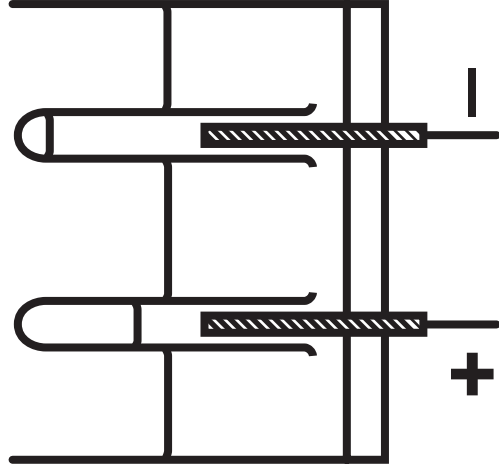


diagram D



Question 4(b)

FIGURE 3

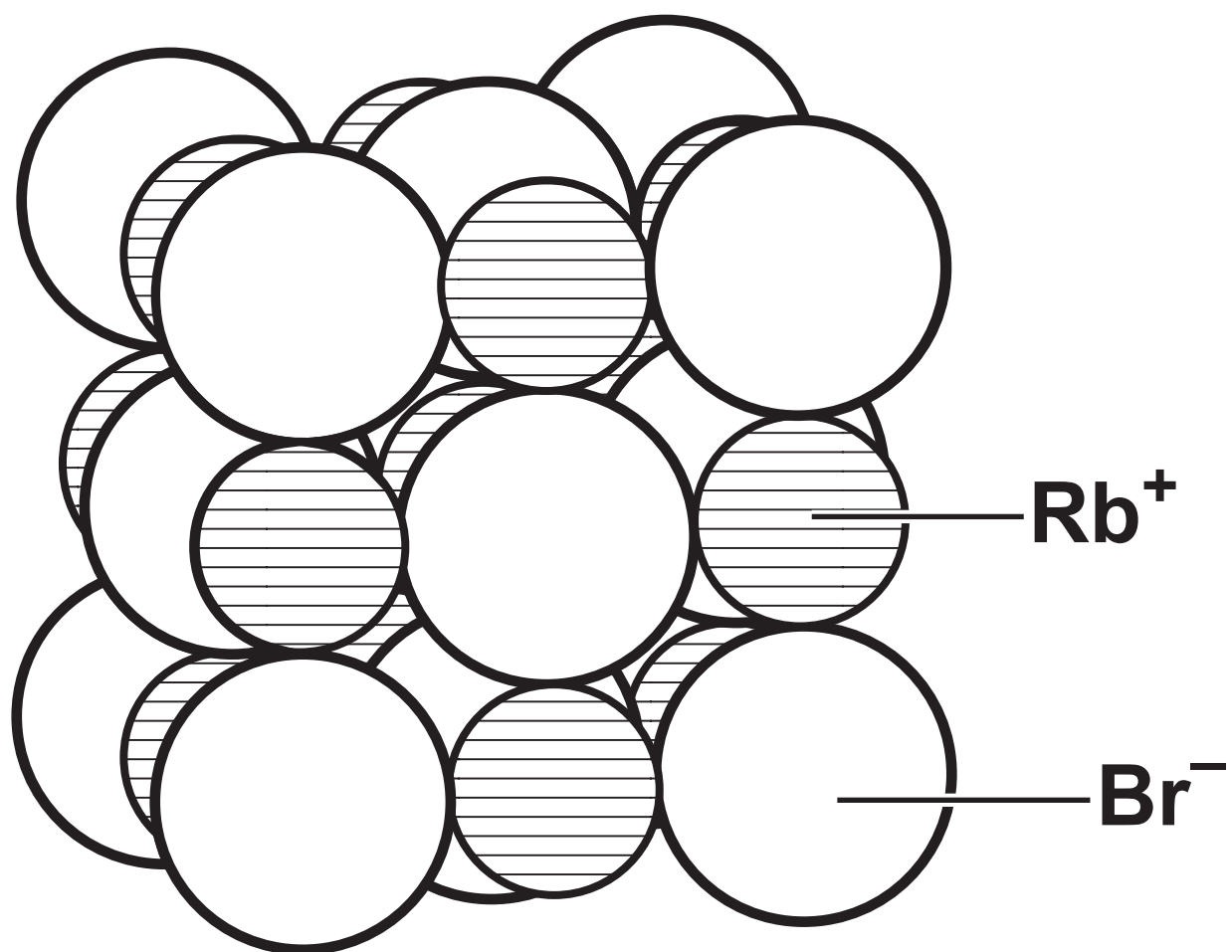
	mass of cathode in g	appearance of copper sulfate solution
before electrolysis	5.32	pale blue solution
after electrolysis	5.87	pale blue solution

## Question 5(a)(i) - Blank



## Question 5(b)

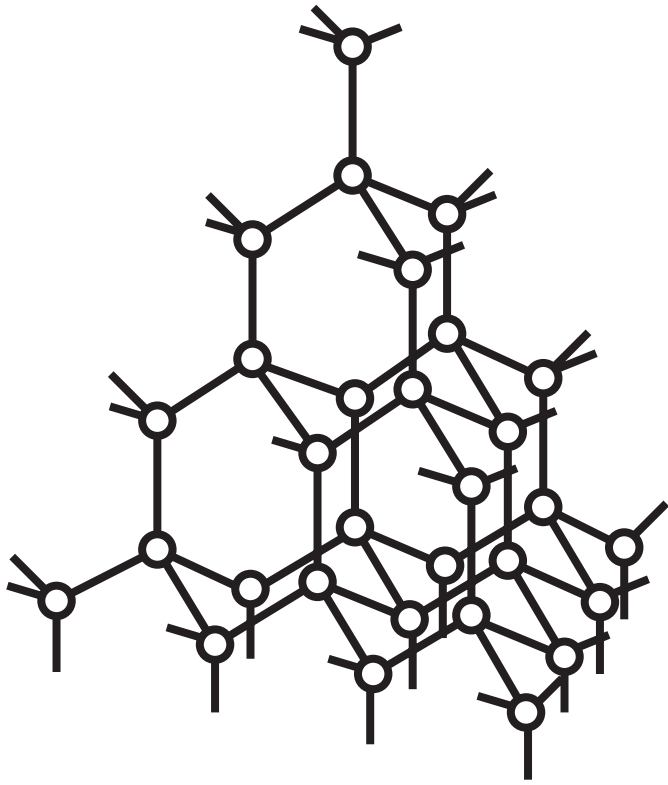
FIGURE 4



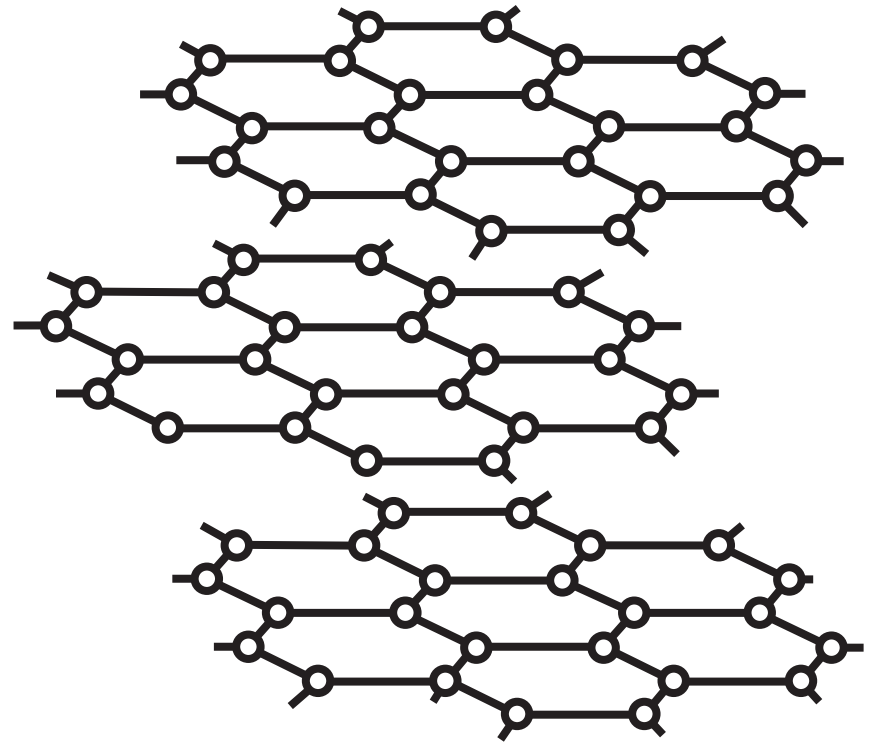
## Question 5(c)

FIGURE 5

diamond



graphite



Question 6(a)

FIGURE 6

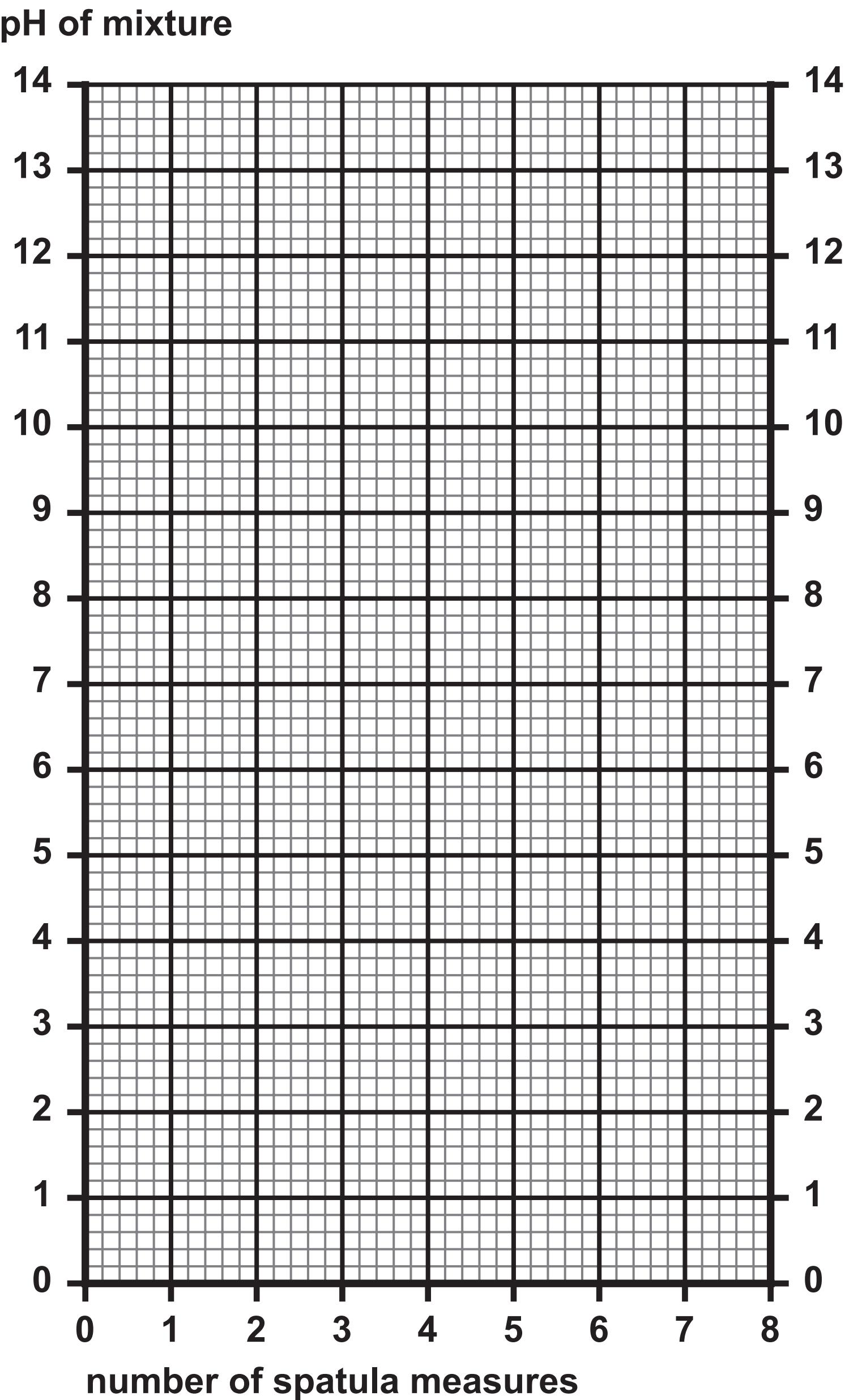
metal	observations with dilute hydrochloric acid
D	Bubbles formed quickly. After three minutes all the metal had reacted.
E	Bubbles formed very quickly. No metal remaining after three minutes.
F	A few bubbles were seen to form. The metal looked unchanged after three minutes.
G	

## Question 6(a)

FIGURE 7

<b>E</b>	<b>D</b>	<b>G</b>	<b>F</b>
<b>most reactive</b>			<b>least reactive</b>

Question 1(b)(iii)



**Question 5(a)(i) - Blank**