

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

Chemistry
PAPER 1
Higher Tier

Monday 22 May 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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Spare Copies

15 Question 1(a)

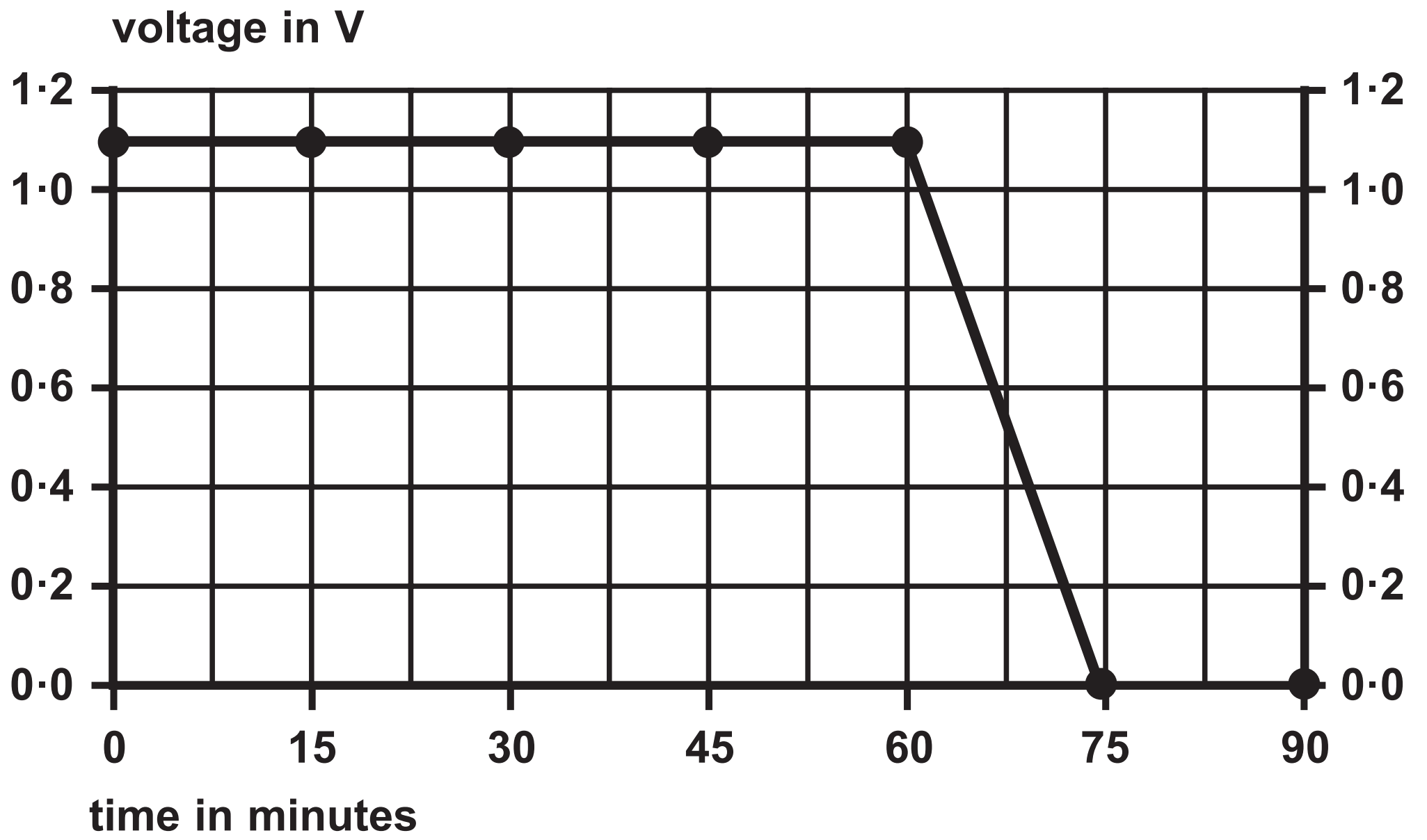
Question 1(a)

FIGURE 1

	isotope A	isotope B
atomic number	1	1
mass number	1	2
number of protons		
number of electrons		
number of neutrons		

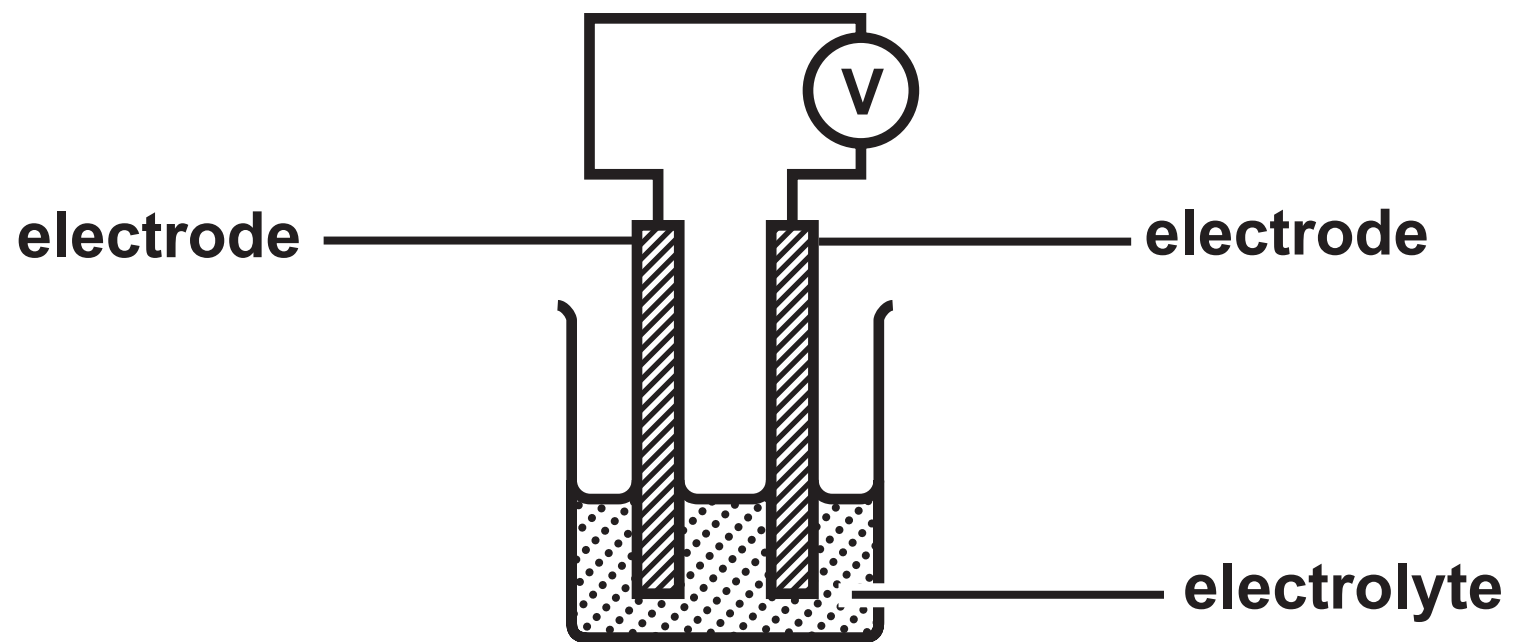
Question 1(b)

FIGURE 2



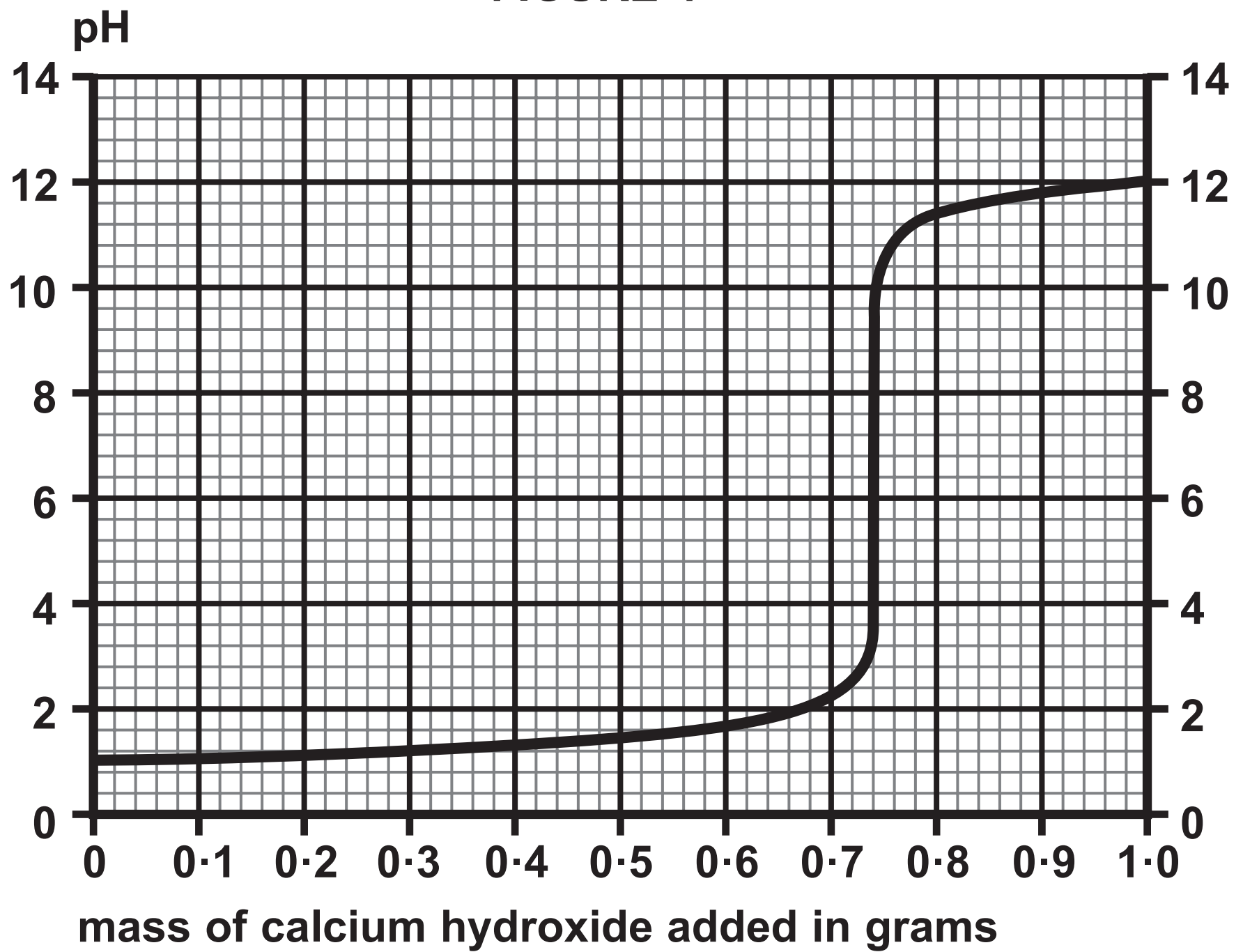
Question 1(c)

FIGURE 3



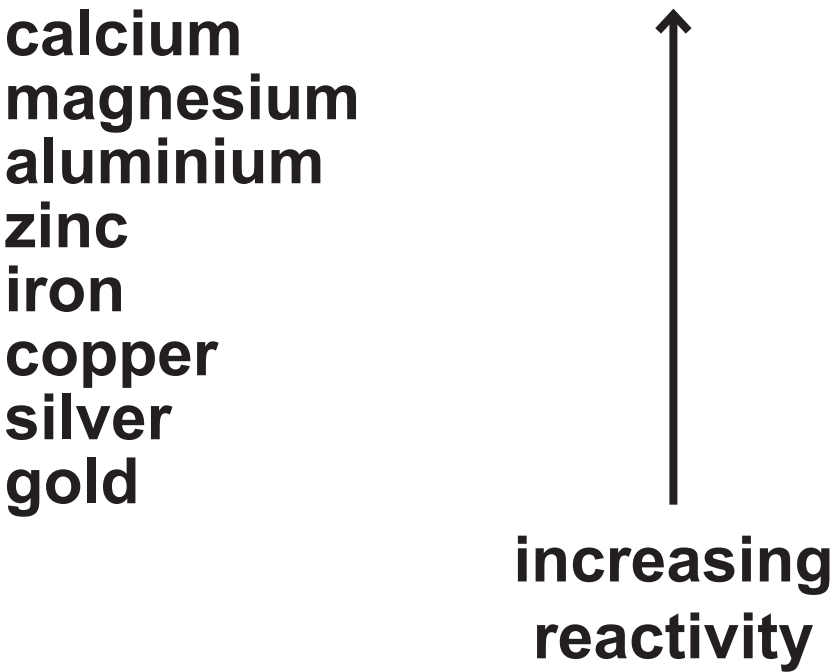
Question 2(d)

FIGURE 4



Question 3(a)

FIGURE 5



Question 3(b)

FIGURE 6

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

Question 6(b)

FIGURE 7

current in A	mass of copper formed in g
0·0	0·000
0·2	0·040
0·4	0·080
0·6	0·118
0·8	0·158
1·0	0·196

Question 7(b)(i)

FIGURE 8

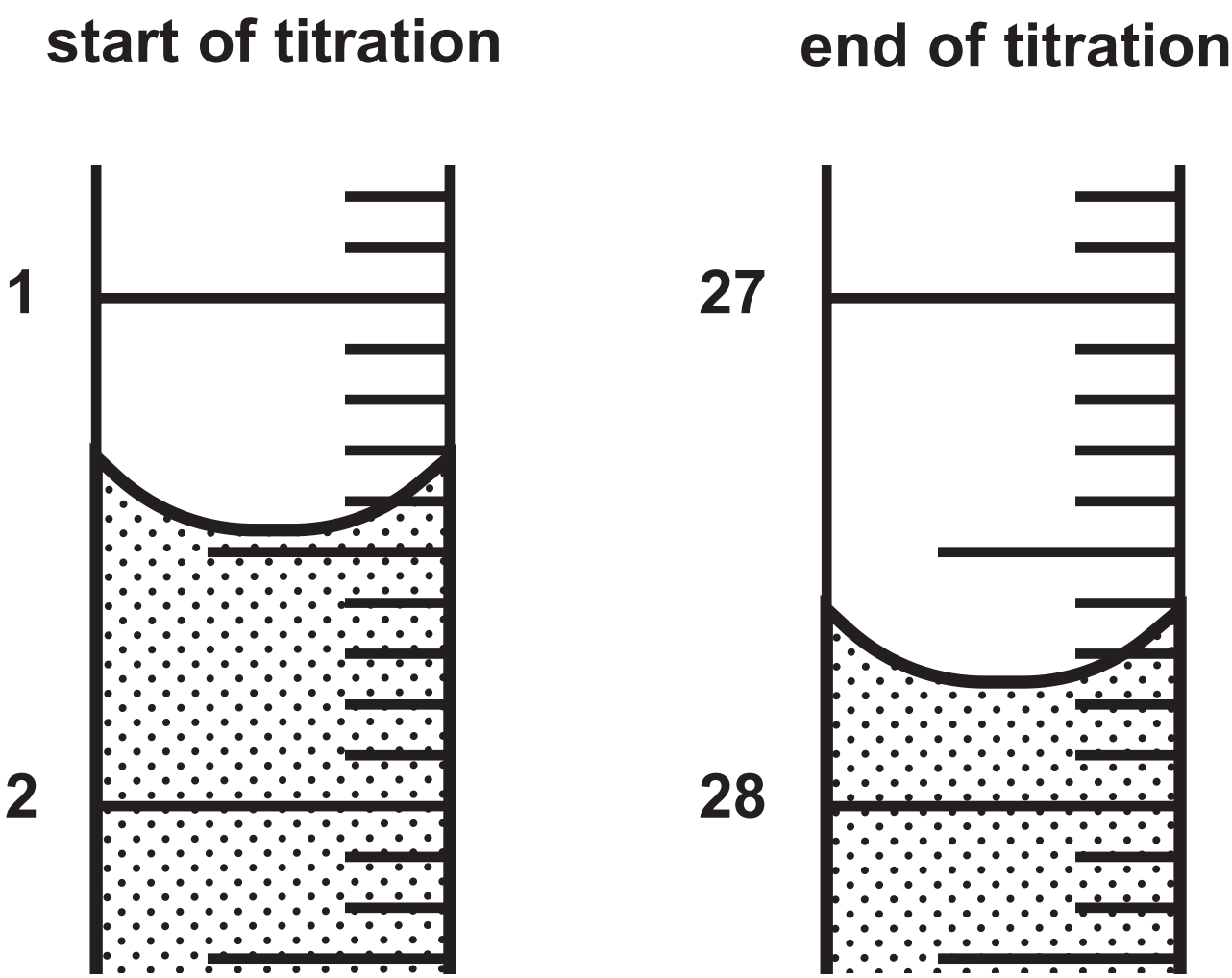


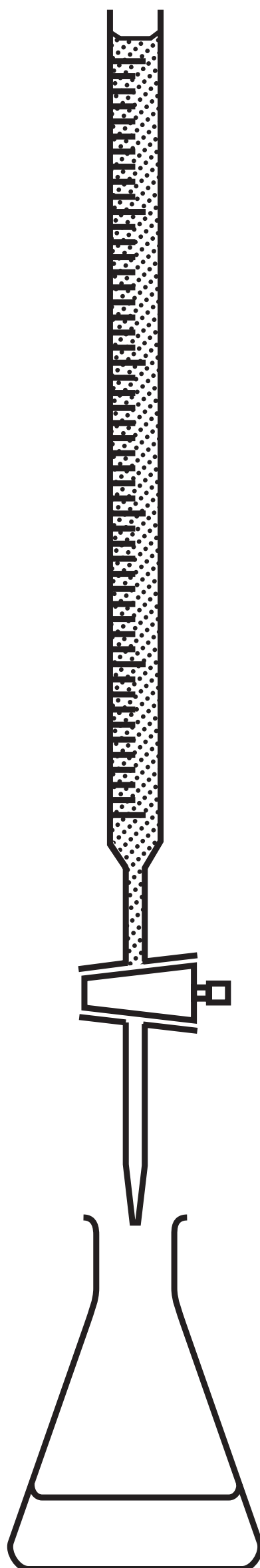
FIGURE 9

	rough	titration 1	titration 2	titration 3
volume in cm ³	25·90	24·90	24·60	25·00
used to calculate mean volume				

(continued on the next page)

Question 7(b)(iii)

FIGURE 10



Question 9(a)(ii)

FIGURE 12

sample	melting point in °C
A	160–164
B	166
C	163–165

Question 1(a)

FIGURE 1

	isotope A	isotope B
atomic number	1	1
mass number	1	2
number of protons		
number of electrons		
number of neutrons		