

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

Combined Science  
PAPER 5  
Foundation Tier

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.**

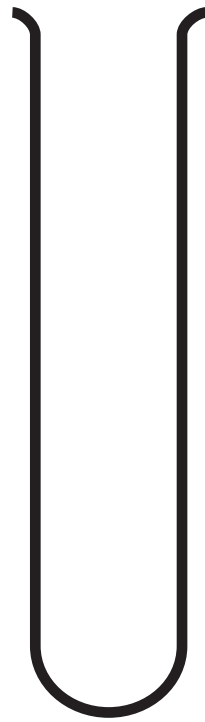
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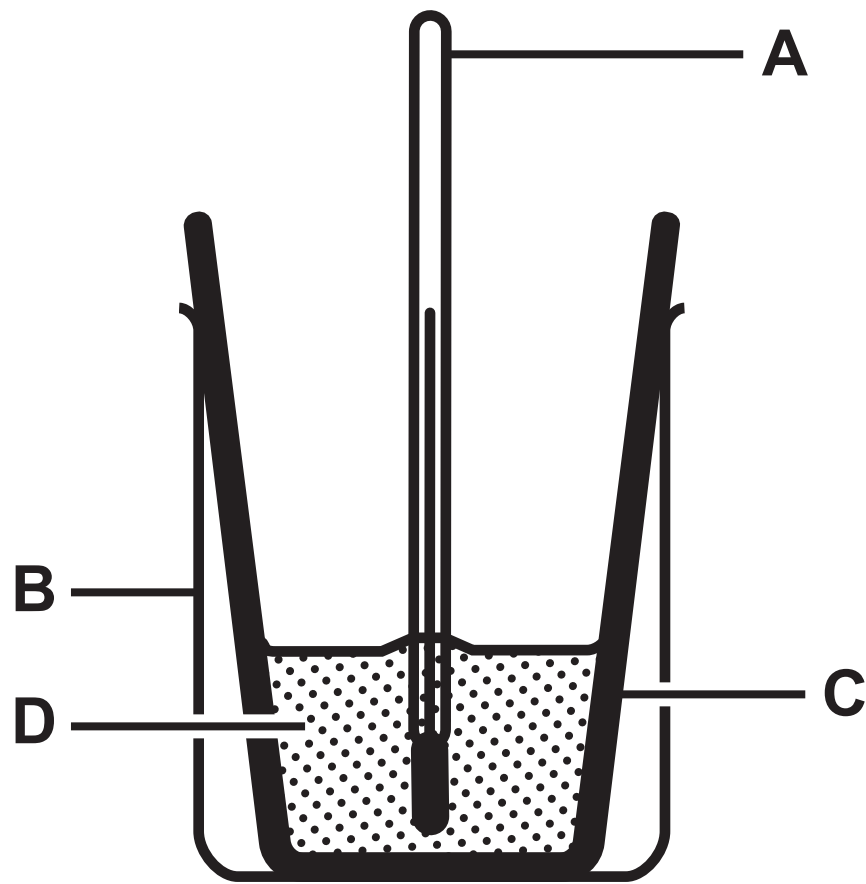
**Question 1(a)****FIGURE 1**

<b>symbol</b>	<b>melting point in °C</b>
<b>Li</b>	<b>181</b>
<b>Na</b>	<b>98</b>
<b>K</b>	<b>64</b>

**Question 1(b)****FIGURE 2**

## Question 2(b)

FIGURE 3

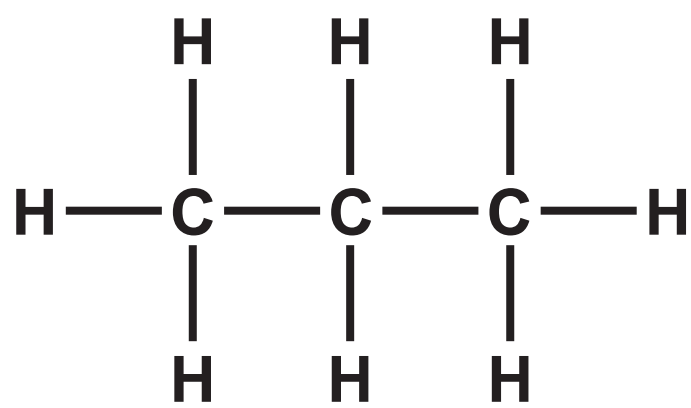


**Question 2(b)(iv)****FIGURE 4**

<b>temperature of liquid at start in °C</b>	<b>18·6</b>
<b>temperature of products at end in °C</b>	<b>16·1</b>

## Question 3(a)

FIGURE 5





## Question 3(b)

**fraction****use**

petrol •

• fuel for aircraft

• fuel for ships

kerosene •

• fuel for cars

• making plastic

bitumen •

• extracting iron

• making road surfaces

Question 3(b)

fraction	use
petrol	fuel for aircraft
kerosene	fuel for ships
bitumen	fuel for cars
	making plastic
	extracting iron
	making road surfaces

## Question 4(b)

FIGURE 6

halogen	description of reaction with heated iron wool
bromine	reacts quickly
chlorine	reacts very quickly
iodine	reacts slowly

Question 4(c)

**an acid**

**a catalyst**

**higher**

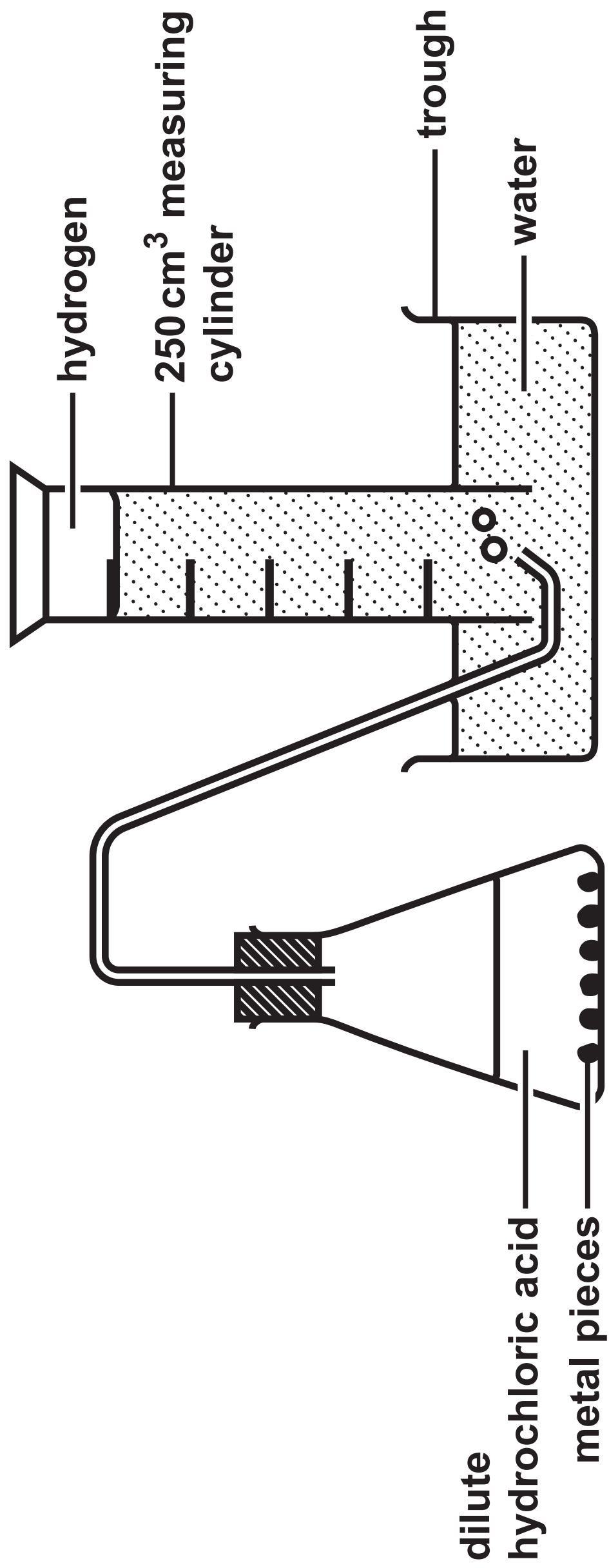
**lower**

**a reactant**

**unchanged**

Question 5

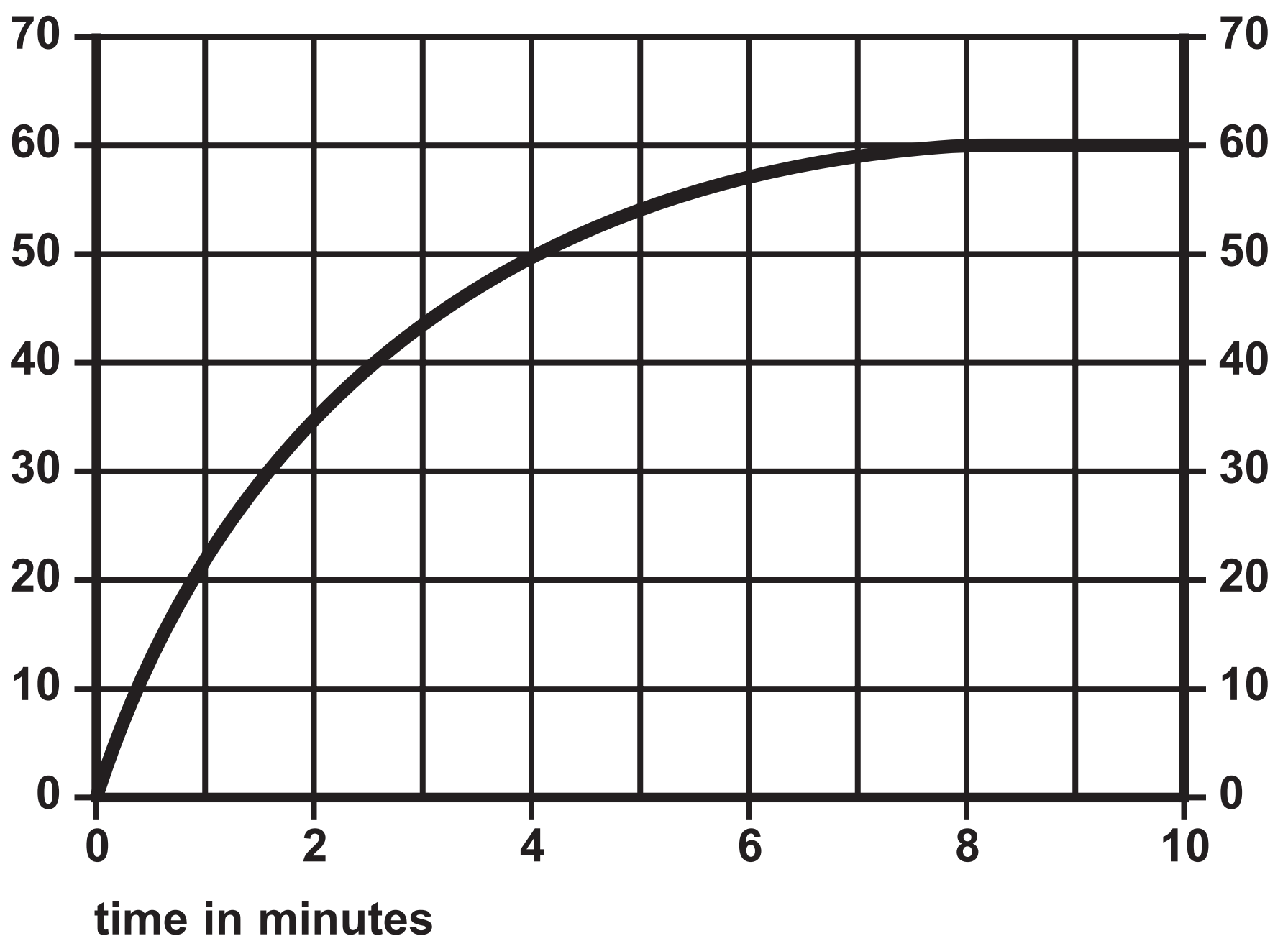
FIGURE 7



## Question 5(a)

FIGURE 8

volume of hydrogen  
in  $\text{cm}^3$



## Question 6(d)

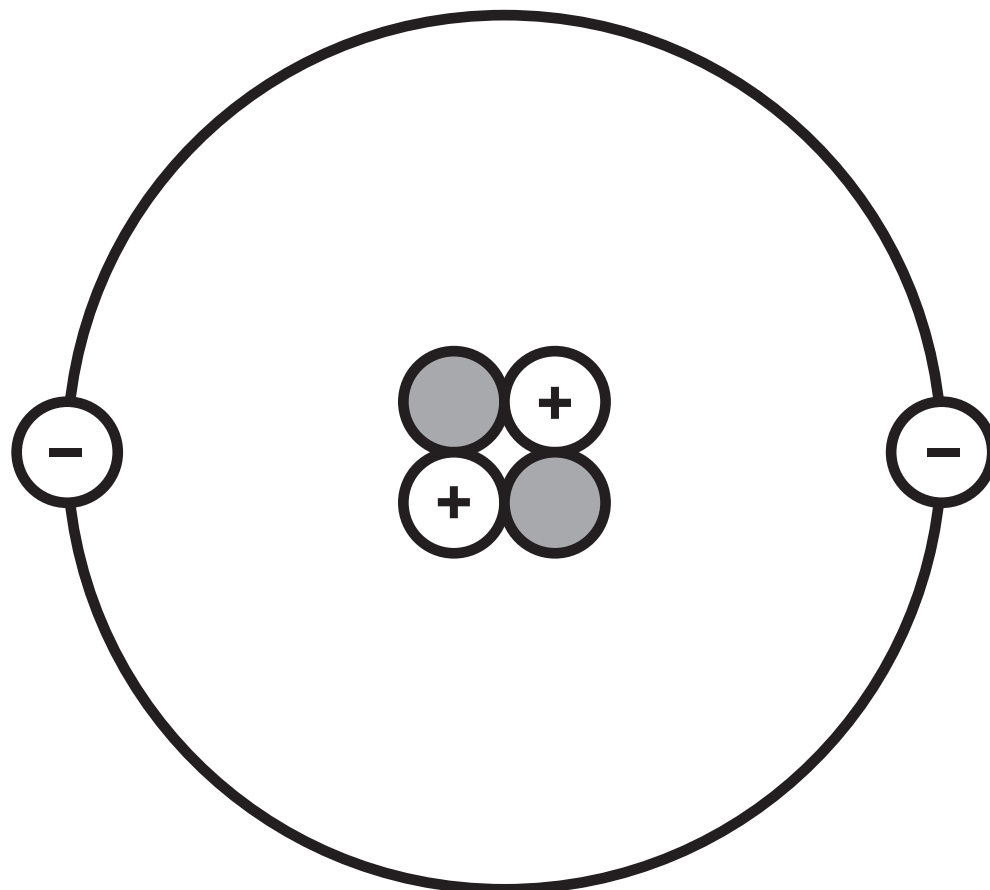
FIGURE 9

## Key

⊖ = electron

● = neutron

⊕ = proton



## Question 6(e)

FIGURE 10

<b>gas</b>	<b>relative amount in early atmosphere</b>	<b>composition of today's atmosphere</b>
<b>water vapour</b>	<b>large amount</b>	<b>0 % to 4 %</b>
<b>carbon dioxide</b>	<b>large amount</b>	<b>less than 0·5 %</b>
<b>oxygen</b>	<b>little or none</b>	<b>21 %</b>