

Chemistry
Science (Double Award) 4SD0
PAPER 1C

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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Question 1(a)

Description	Substance
a good conductor of electricity	
an element that has a basic oxide	
a substance used as a fuel	
a major cause of acid rain	
a non-metallic element that is a solid at room temperature	

Question 1(a) (Spare copy)

Description	Substance
a good conductor of electricity	
an element that has a basic oxide	
a substance used as a fuel	
a major cause of acid rain	
a non-metallic element that is a solid at room temperature	

Question 2(a)**Table 1**

Subatomic particle	Relative mass	Relative charge
electron	0·0005	
proton		+1
neutron	1	

Question 2(a) (Spare copy)**Table 1**

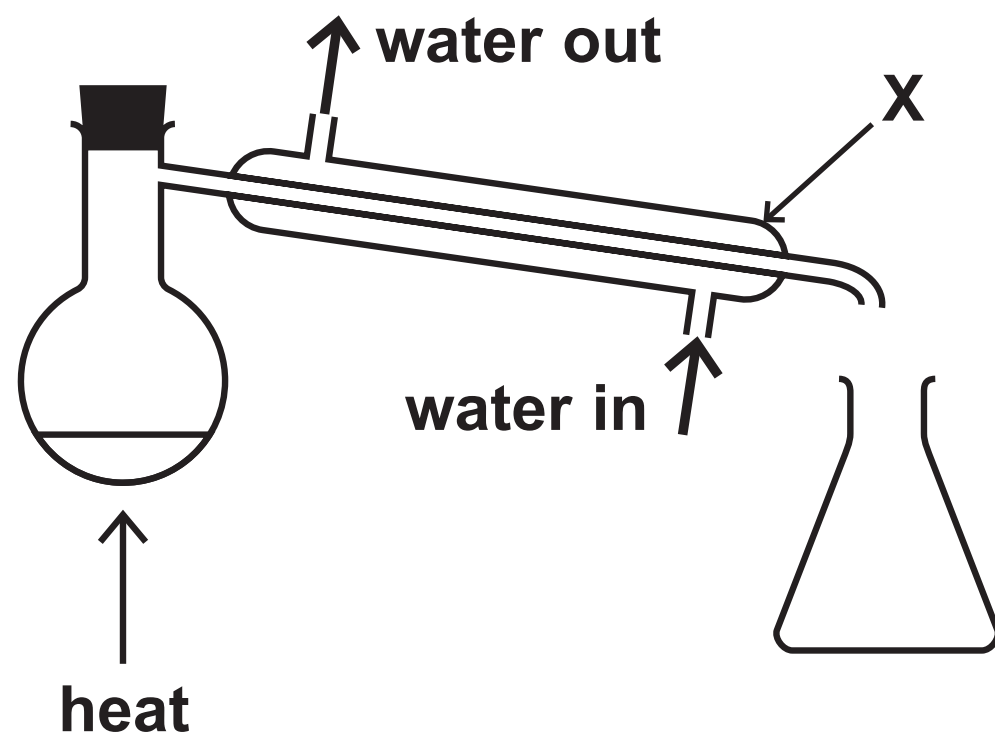
Subatomic particle	Relative mass	Relative charge
electron	0·0005	
proton		+1
neutron	1	

Question 2(b)

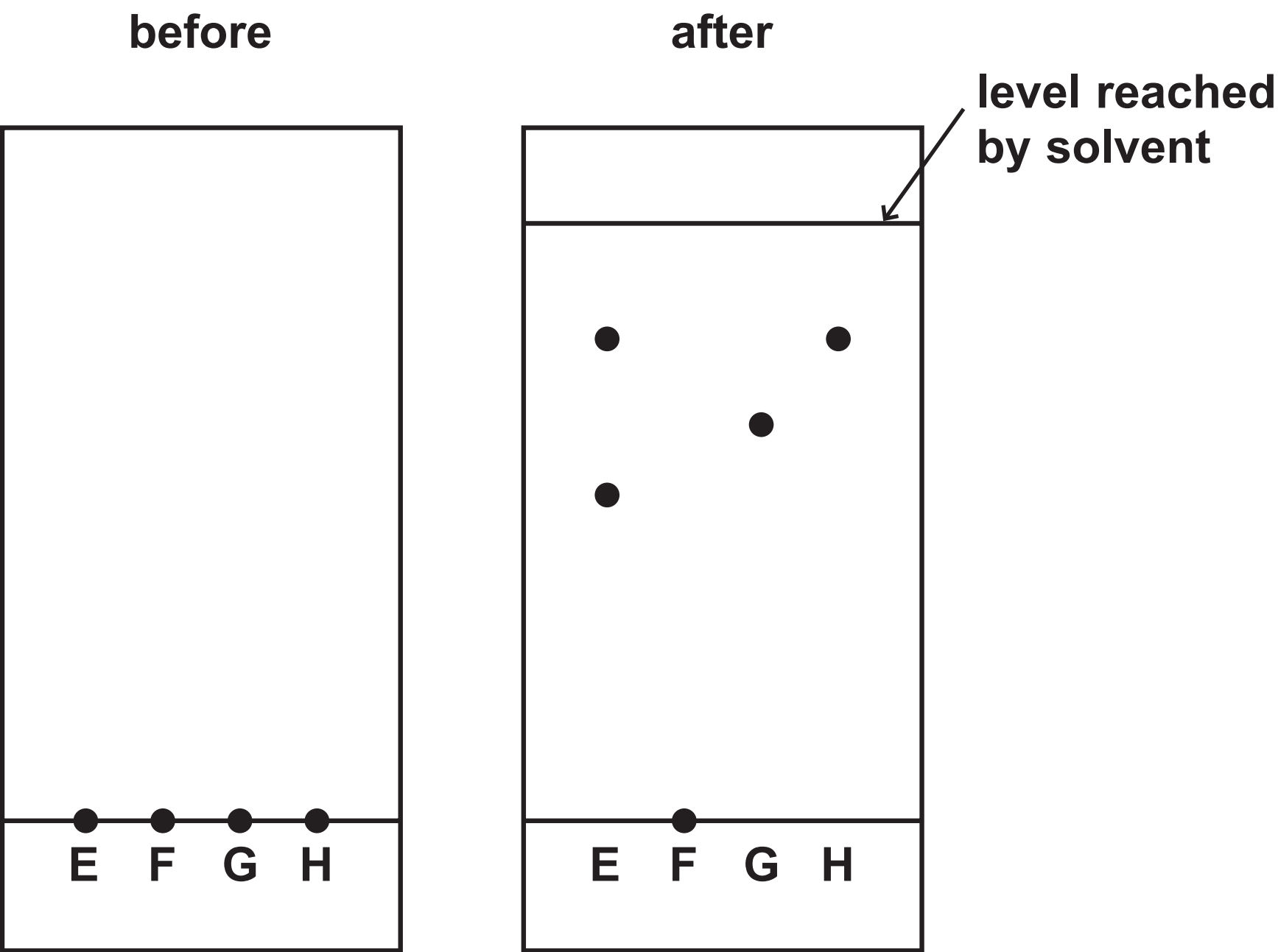
Table 2

Species	Number of protons	Number of neutrons	Number of electrons
U	8	10	8
V	9	10	10
W	11	12	10
X	11	12	11
Y	12	12	12
Z	12	13	12

Question 3(b)



Question 4



Question 5(a)(i)

molecular formula	C ₂ H ₆
name	
empirical formula	
displayed formula	

Question 5(a)(i) (Spare copy)

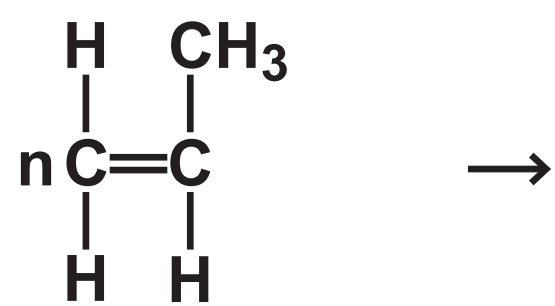
molecular formula	C ₂ H ₆
name	
empirical formula	
displayed formula	

alkene 1	alkene 2
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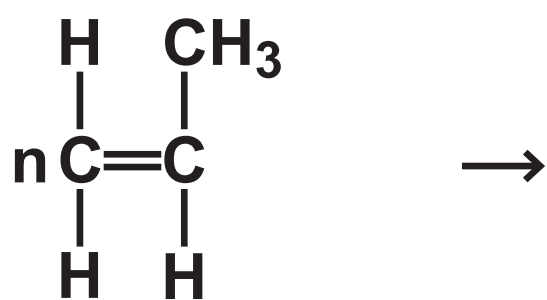
Question 5(b)(ii) (Spare copy)

alkene 1	alkene 2
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Question 5(c)(i)



Question 5(c)(i) (Spare copy)



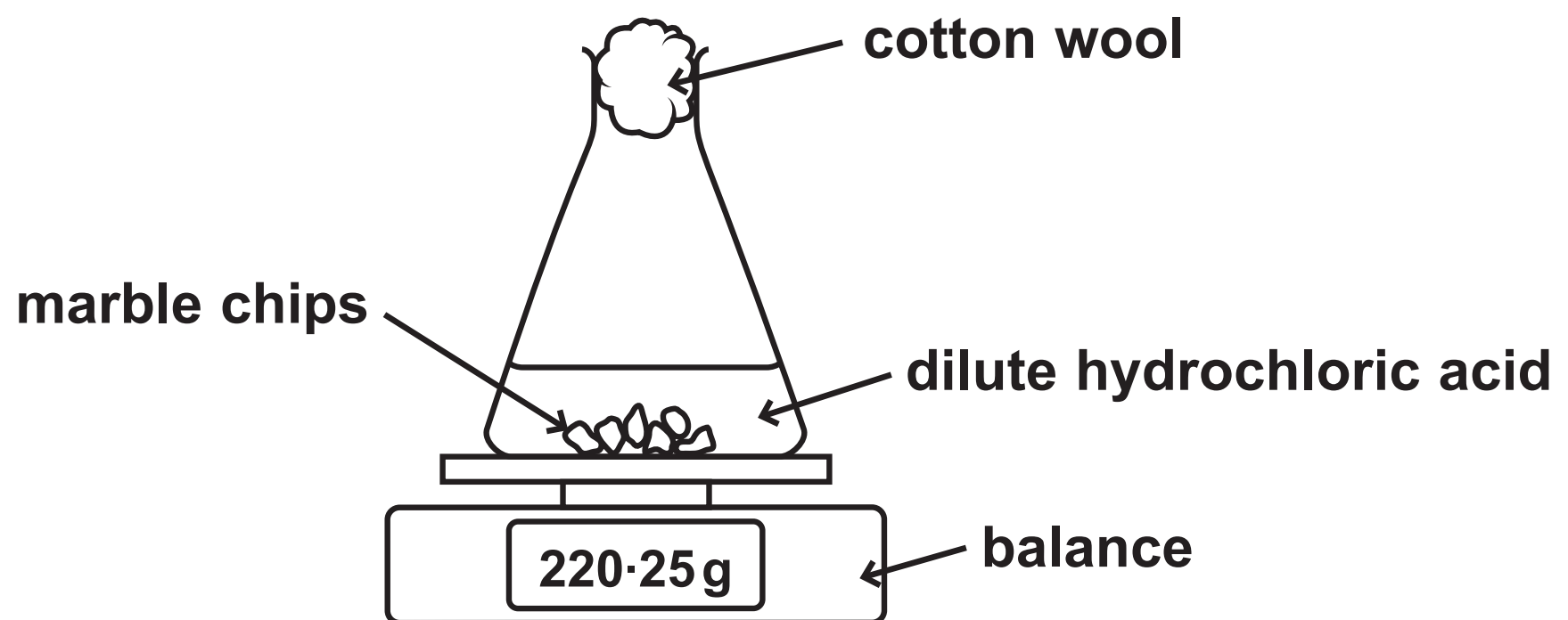
Question 7(b)(i)

temperature of the acid at the start in °C	
highest temperature reached in °C	
temperature rise in °C	20.8

Question 7(b)(i) (Spare copy)

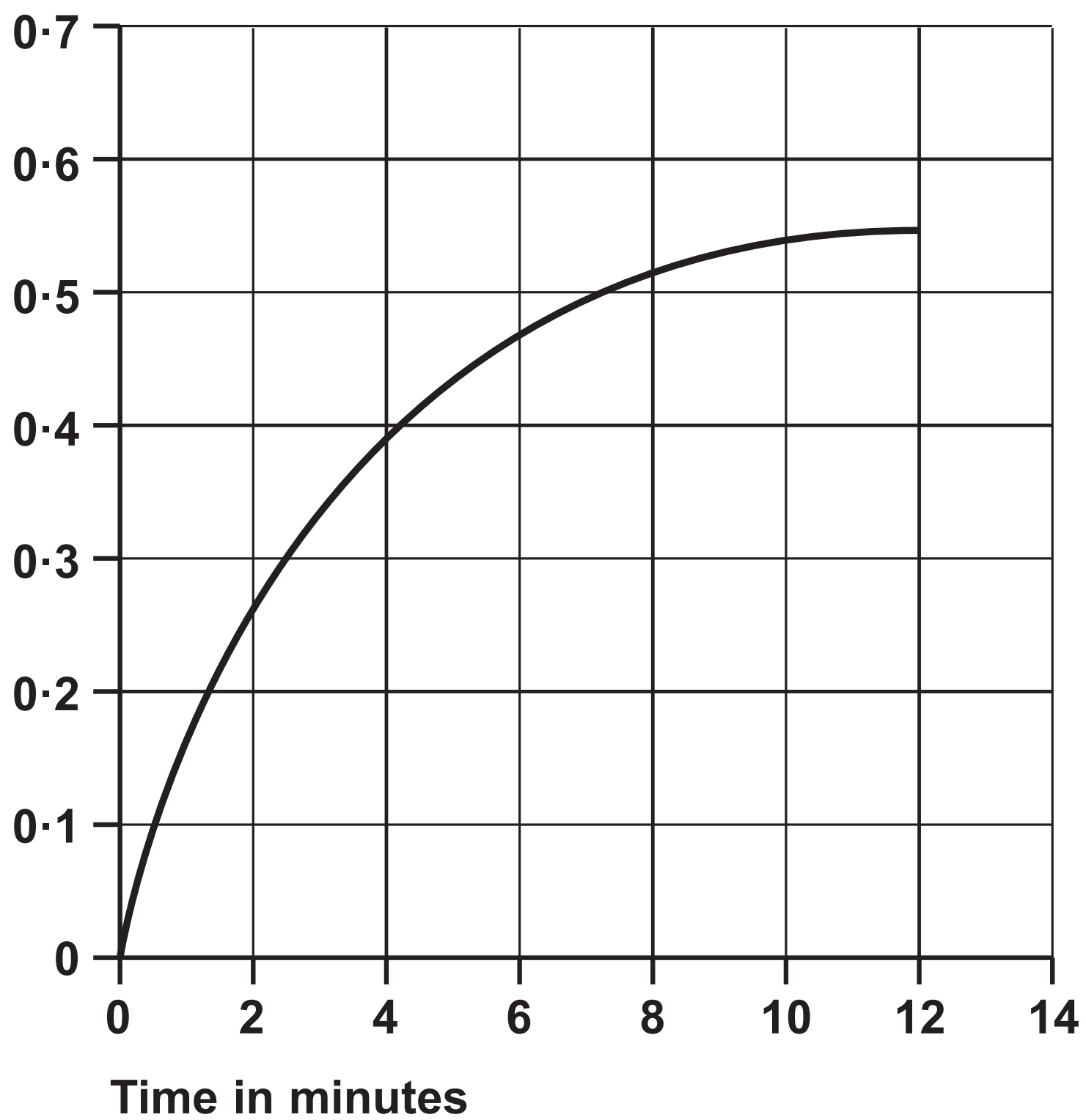
temperature of the acid at the start in °C	
highest temperature reached in °C	
temperature rise in °C	20.8

Question 9



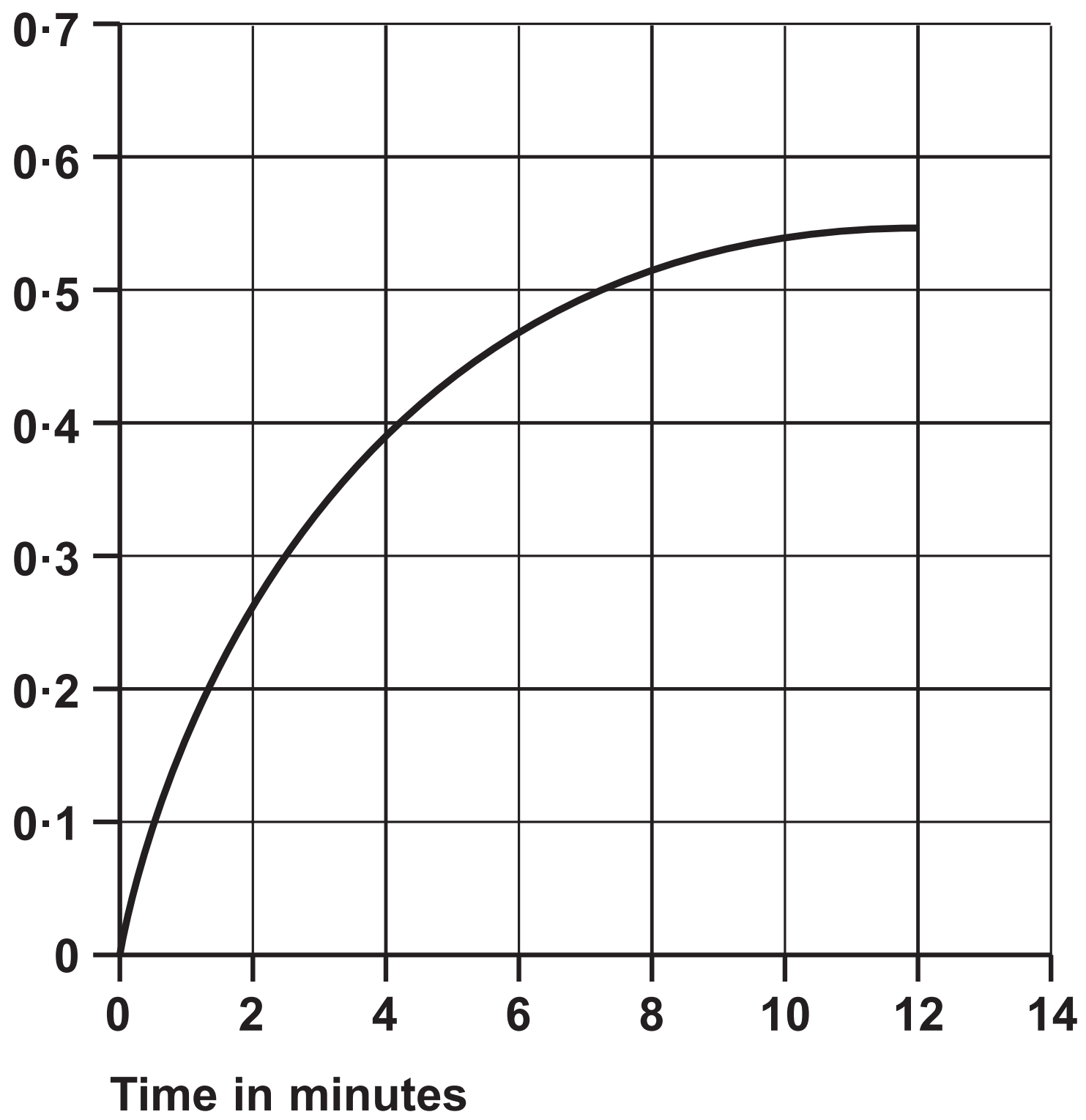
Question 9(b)

Decrease in
mass in g



Question 9(b) (Spare copy)

Decrease in
mass in g



Question 10(a)

