

Biology  
UNIT: 4BI1  
PAPER: 2B

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.

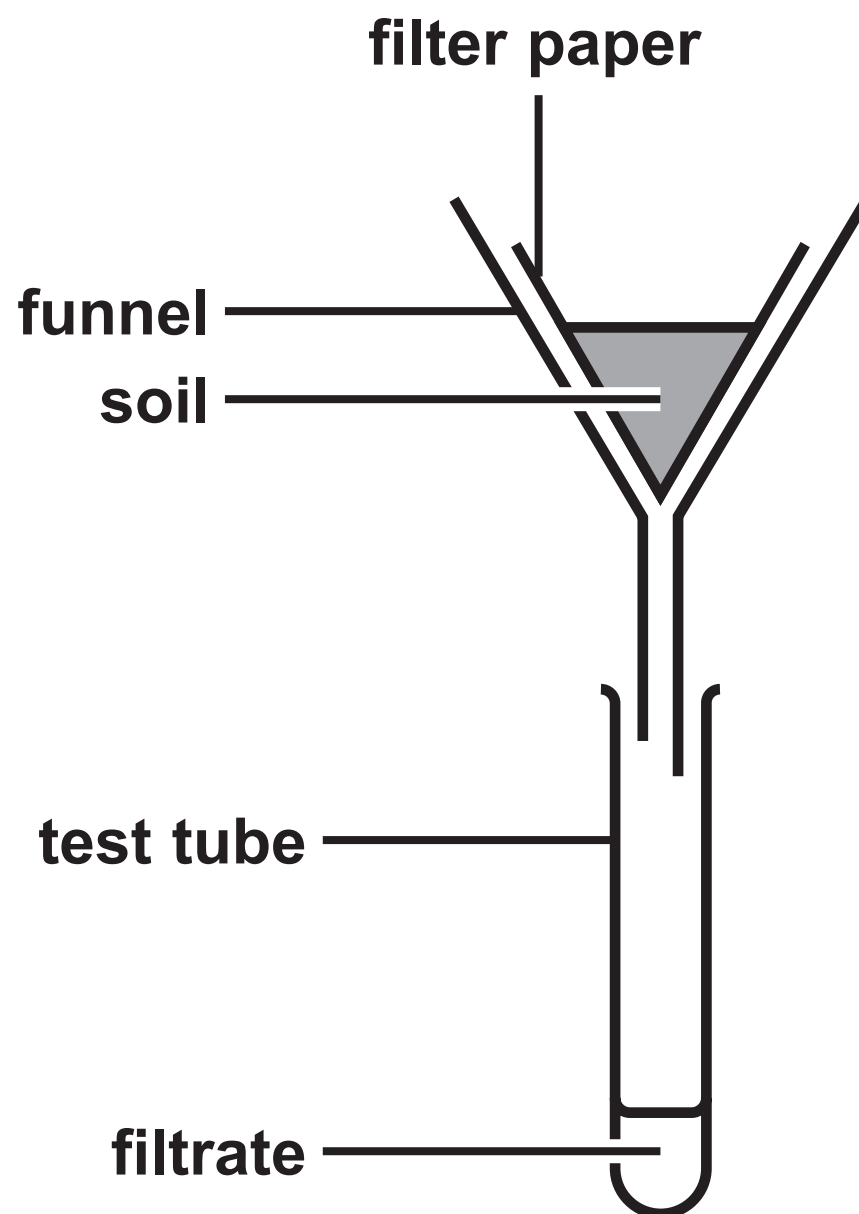
**THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.**

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## Question 2



Question 2

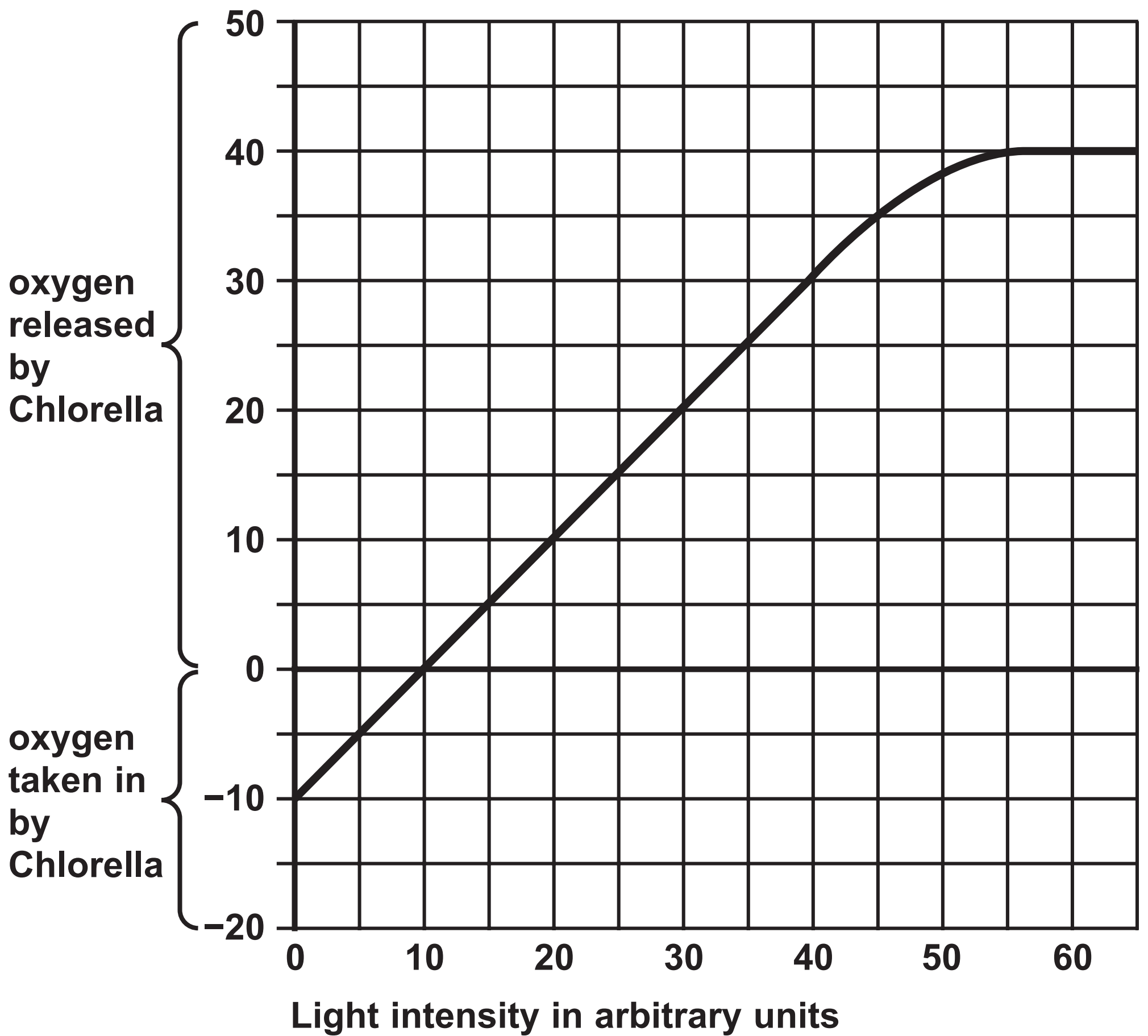
Soil sample	Result of test for nitrates		
	At start of investigation	After water has passed through for five minutes	Three days after adding ammonium salts
	unsterilised	present	absent
	sterilised	present	absent

## Question 3

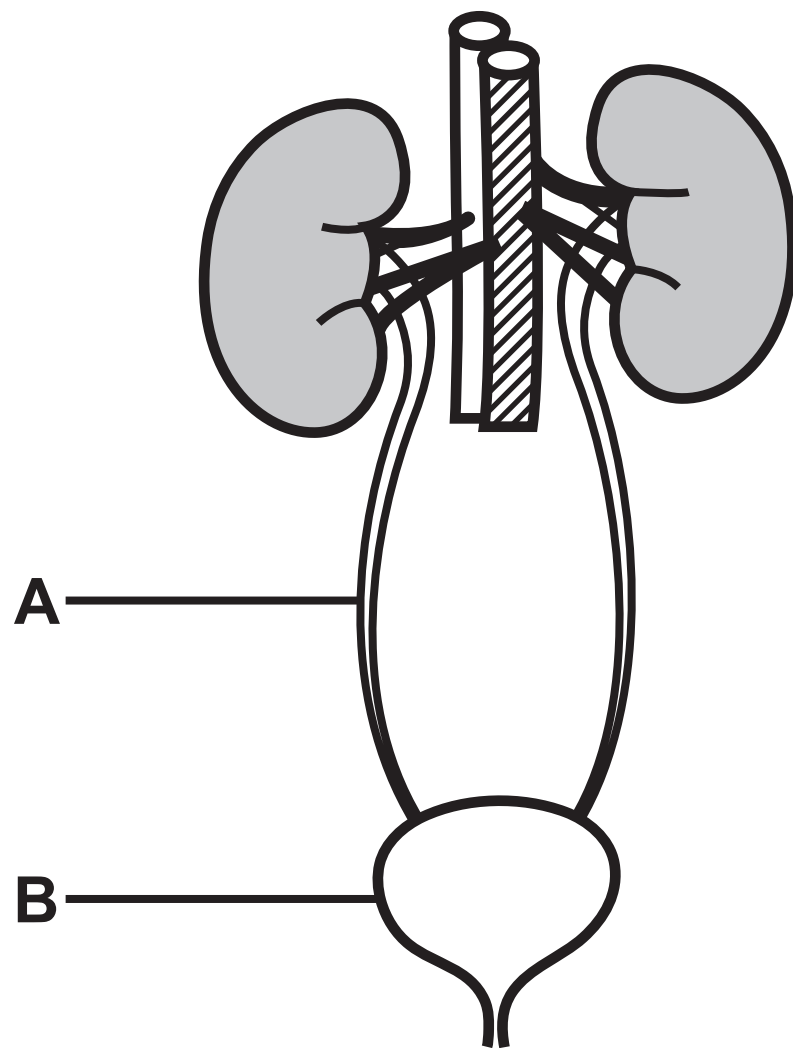


## Question 3(c)

Volume of oxygen exchanged in 5 minutes in  $\text{mm}^3$

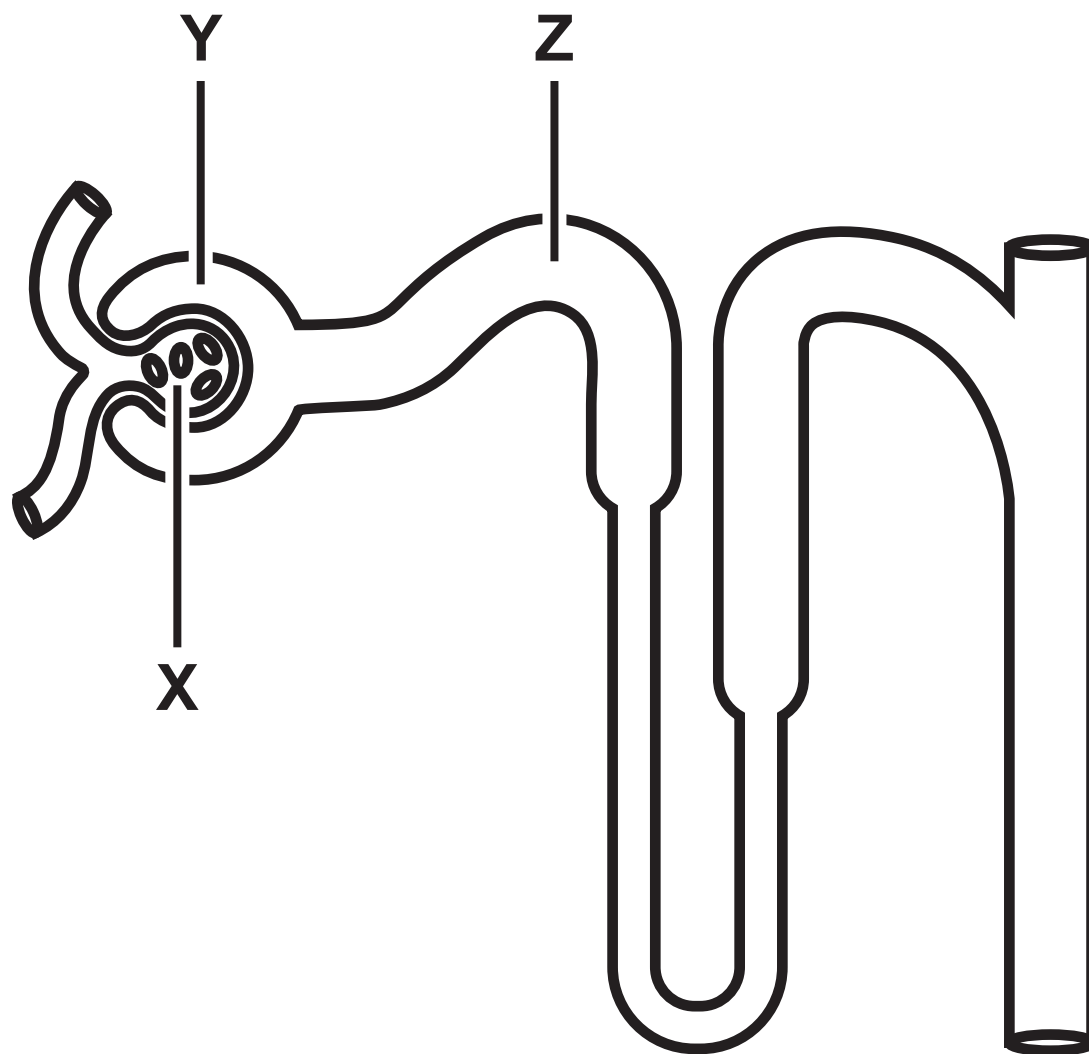


## Question 4(a)





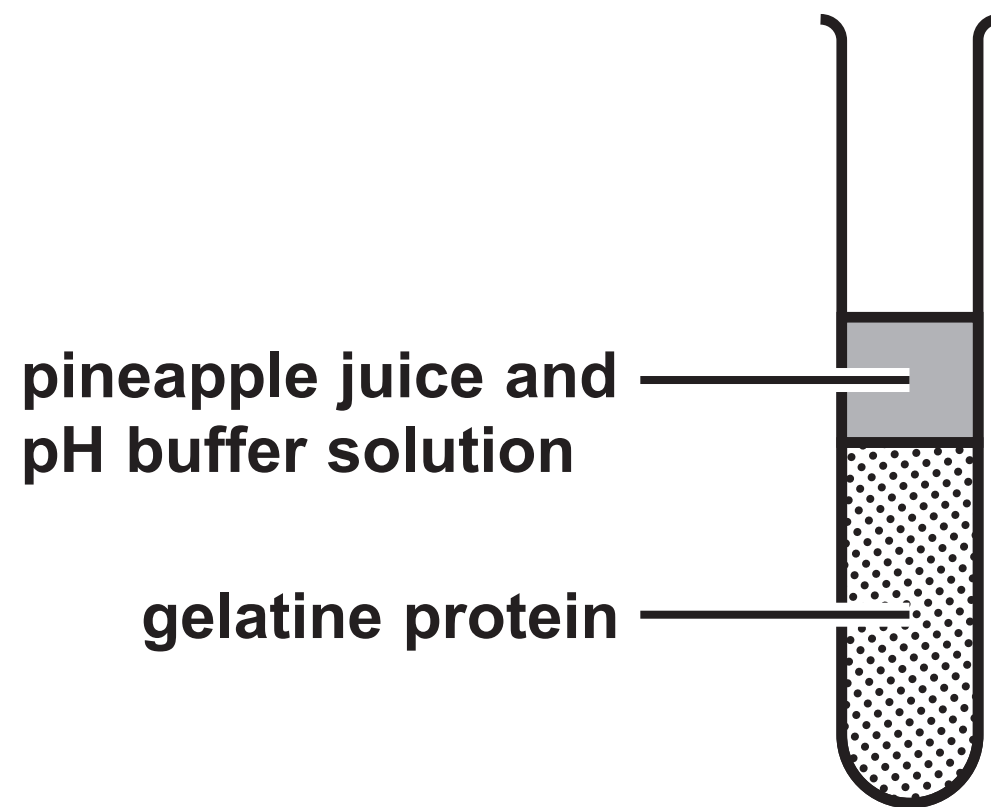
## Question 4(b)



Question 4(b)

Substance	Relative concentration of substance in arbitrary units		
	Area X	Area Y	Area Z
protein	100	0	0
glucose	100	50	0

## Question 5



## Question 5(a)

Tube number	Volume of gelatine digested in cm <sup>3</sup>
1	0.55
2	1.89
3	0.54
4	0.61

## Question 5(b)

<b>pH</b>	<b>Mean volume of gelatine digested in cm<sup>3</sup></b>
<b>3</b>	<b>0.32</b>
<b>5</b>	<b>0.98</b>
<b>7</b>	<b>0.51</b>
<b>9</b>	<b>0.33</b>
<b>11</b>	<b>0.01</b>

## Question 6(b)(i)

[illegible]

## Question 6(b)(i)

[illegible]

