

Paper Reference(s) 4BI1/2B
Pearson Edexcel International GCSE (9–1)

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.

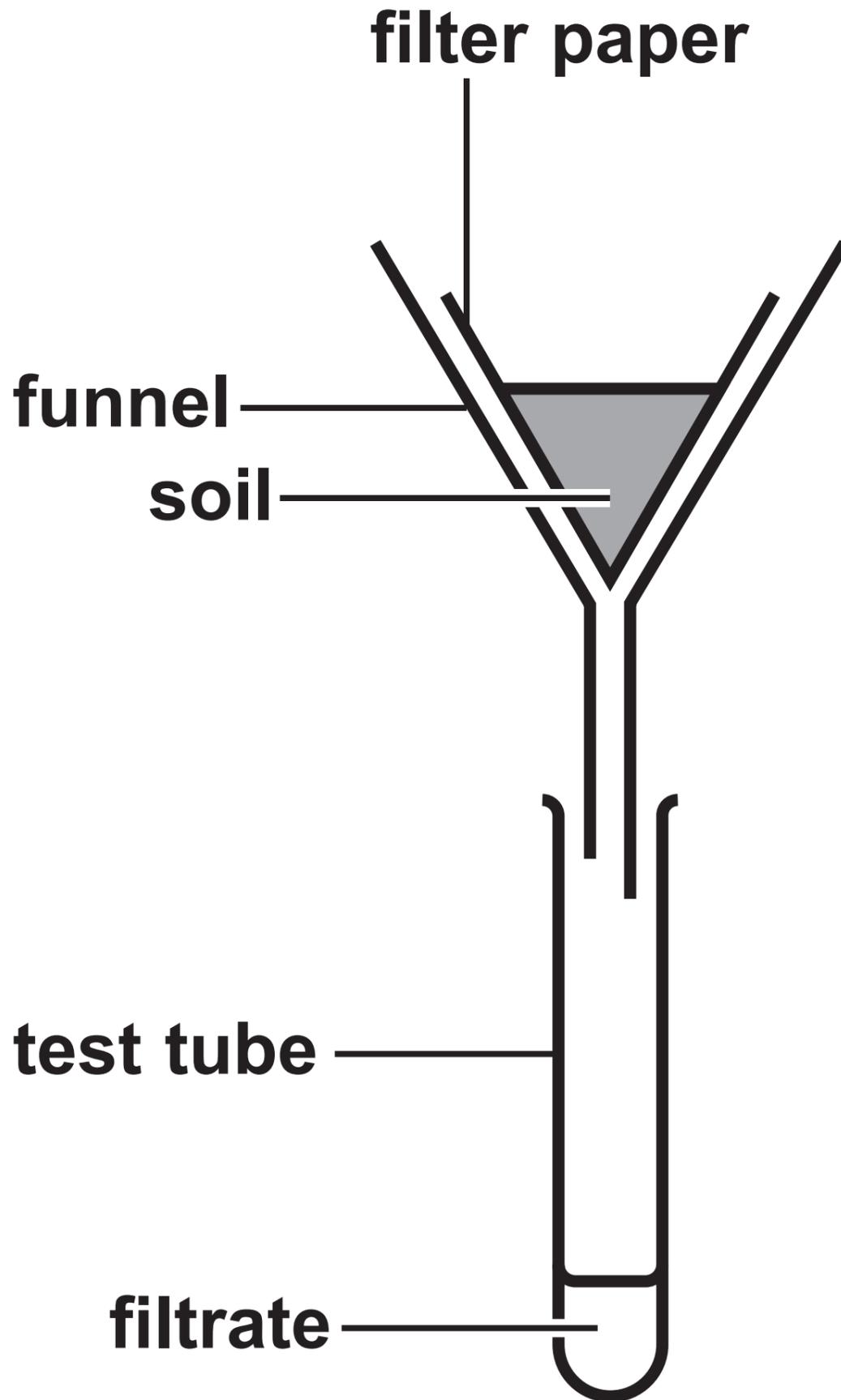
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Question 2

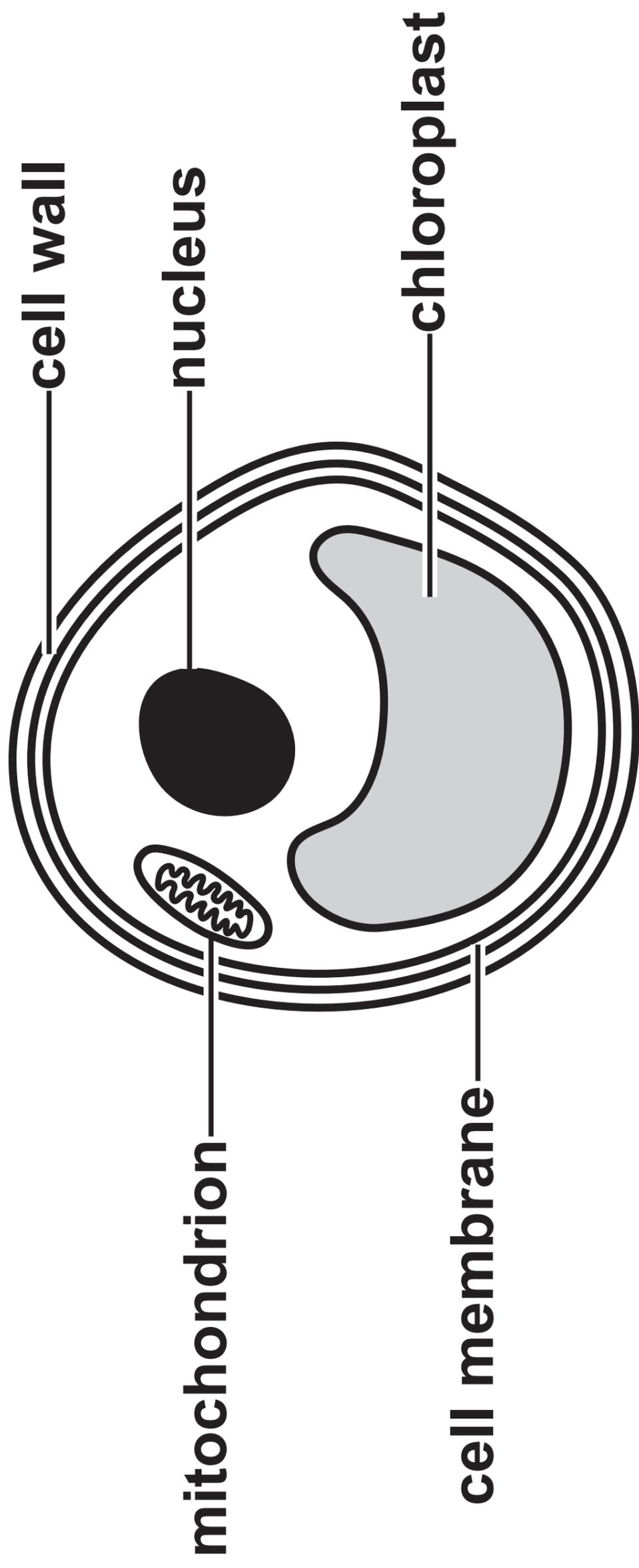


Question 2

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

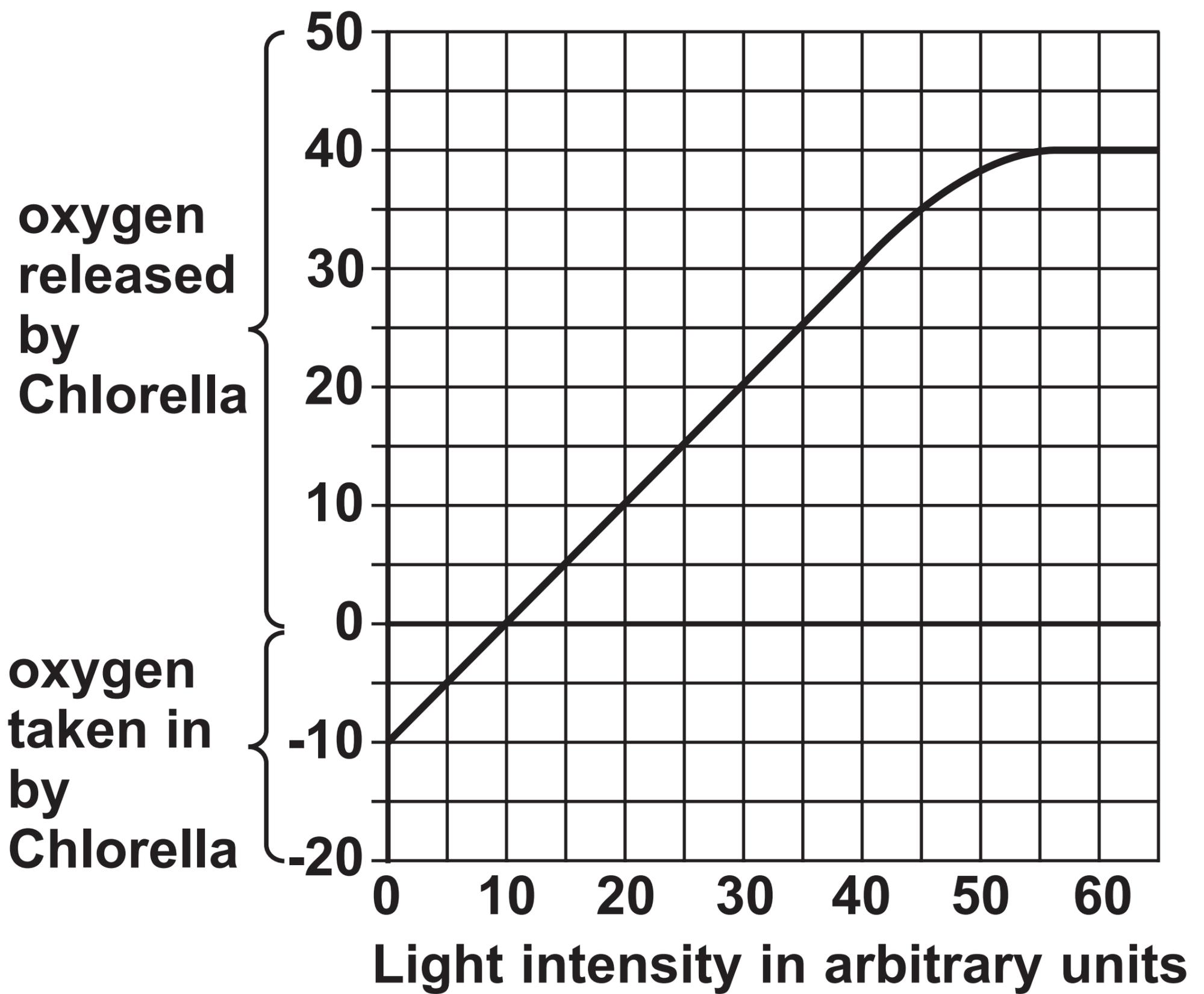
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Question 3

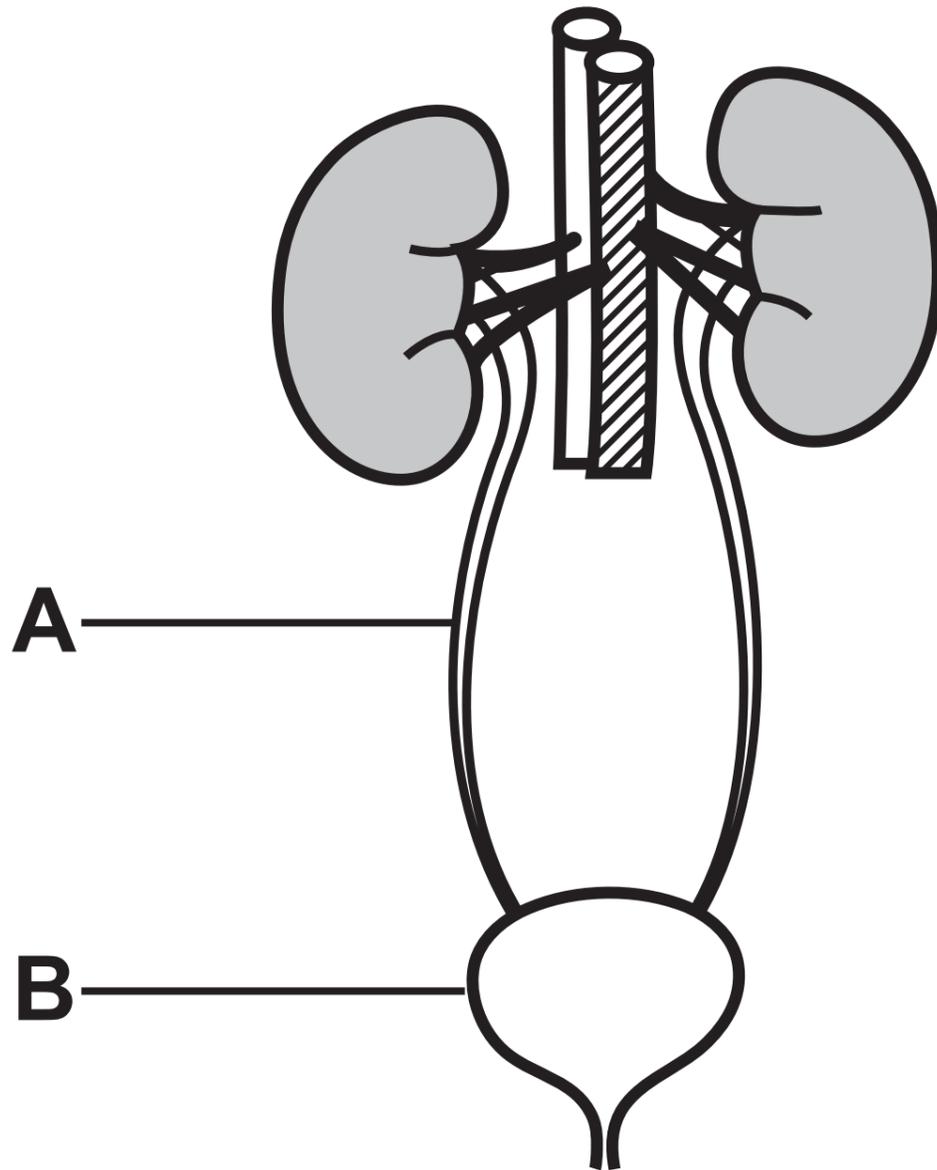


Question 3(c)

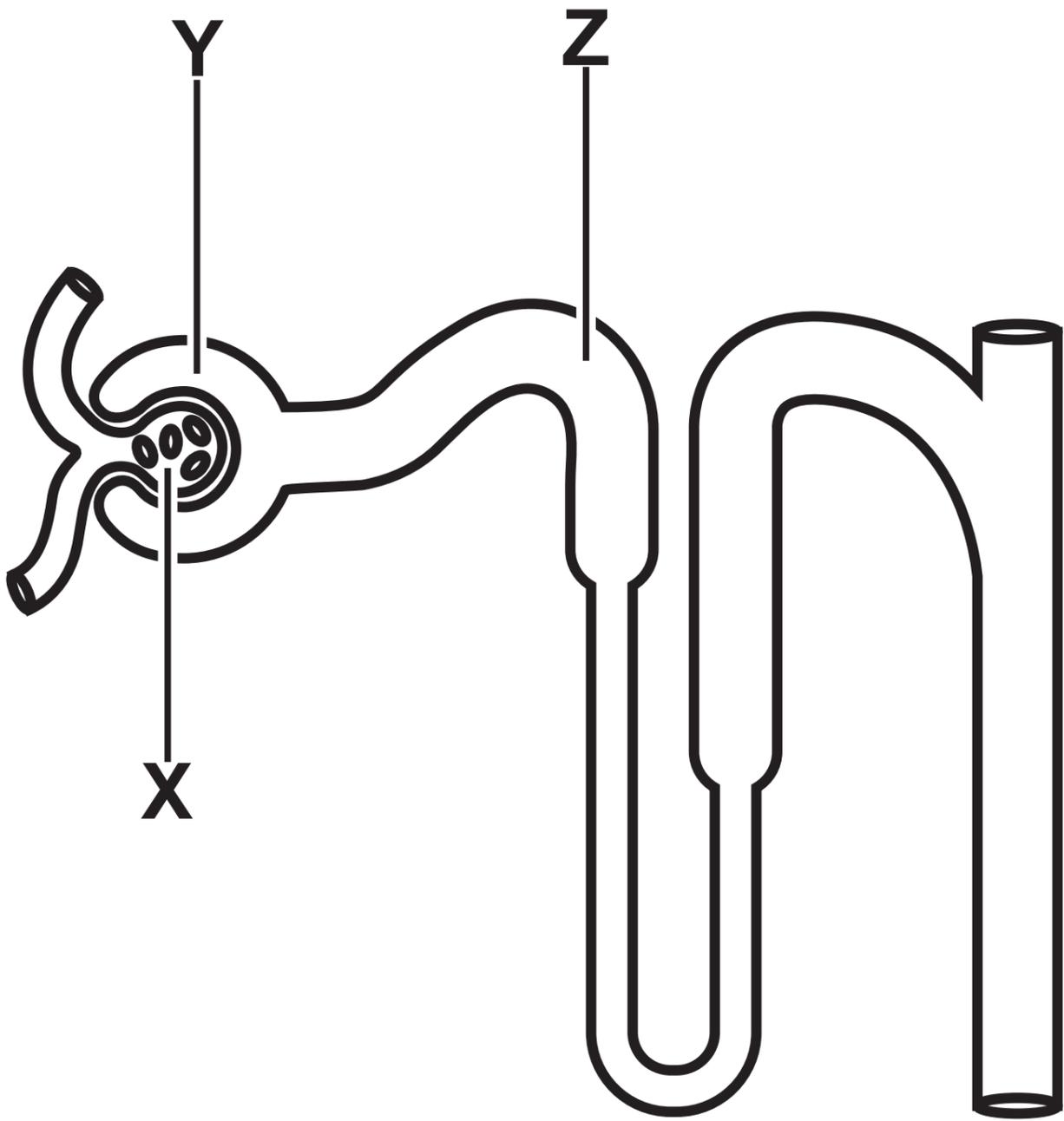
Volume of oxygen exchanged
in 5 minutes in mm^3



Question 4(a)



Question 4(b)

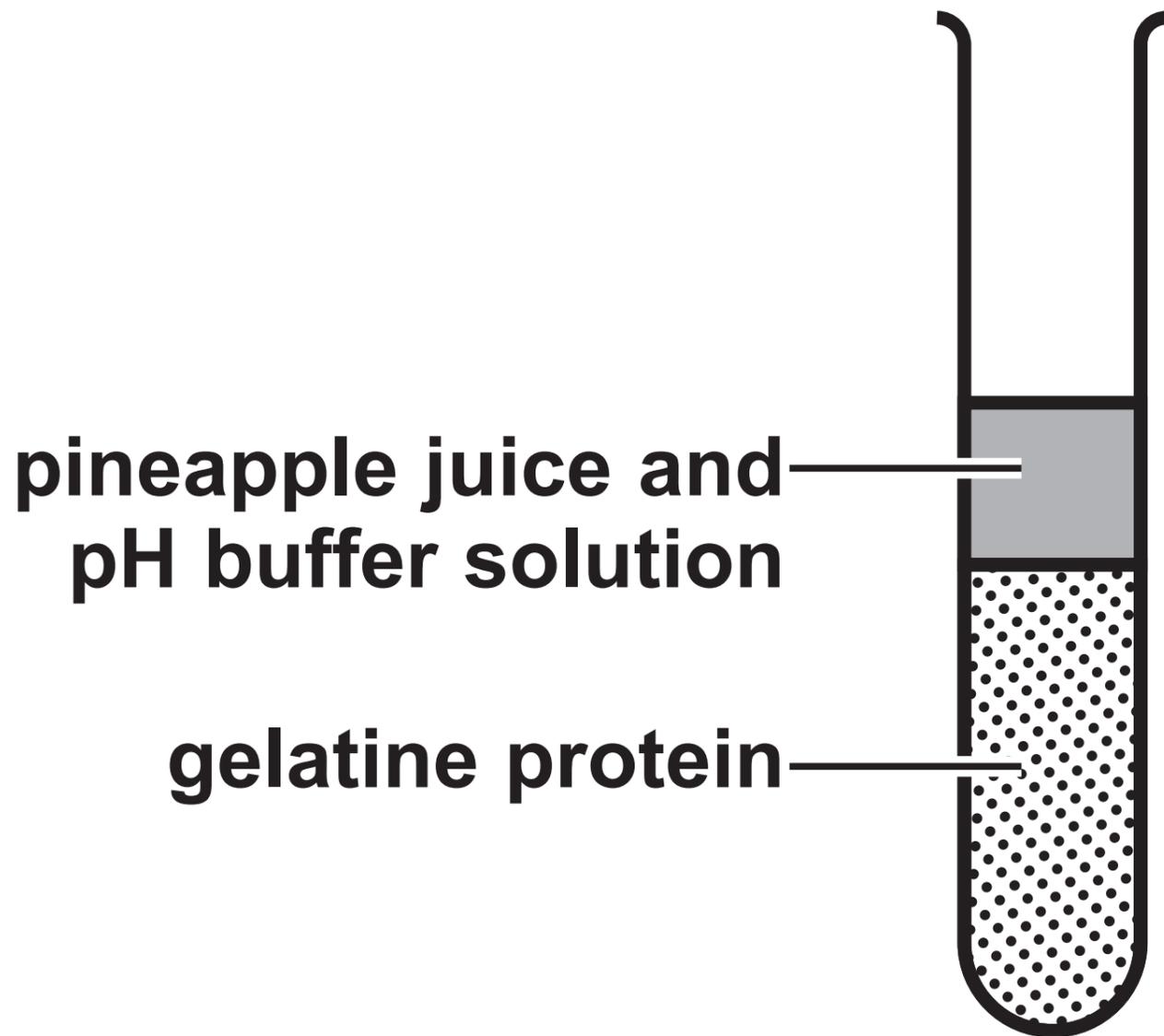


Question 4(b)

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

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Question 5



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Question 5(a)

| Tube number | Volume of gelatine digested in cm³ |
|--------------------|--|
| 1 | 0.55 |
| 2 | 1.89 |
| 3 | 0.54 |
| 4 | 0.61 |

Question 5(b)

| pH | Mean volume of gelatine digested in cm³ |
|-----------|---|
| 3 | 0.32 |
| 5 | 0.98 |
| 7 | 0.51 |
| 9 | 0.33 |
| 11 | 0.01 |

Question 4(a)
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