

**Paper Reference(s)    4BI1/1B    4SD0/1B**  
**Pearson Edexcel International GCSE**

**Biology**  
**UNIT: 4BI1**  
**Science (Double Award) 4BI1/4SD0**  
**PAPER: 1B**

**Diagram Booklet**

**In the boxes below, write your name, centre number and candidate number.**

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

## **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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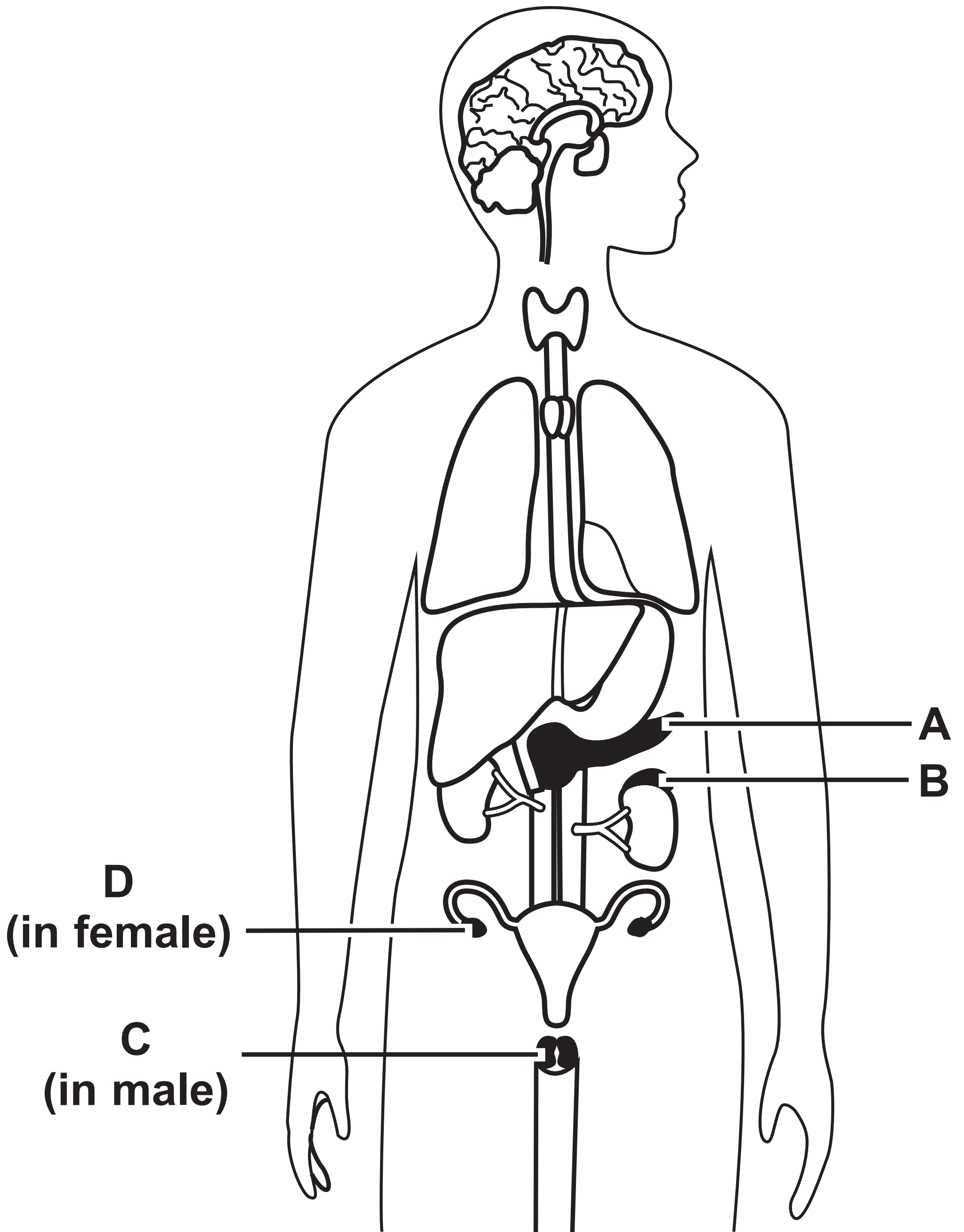
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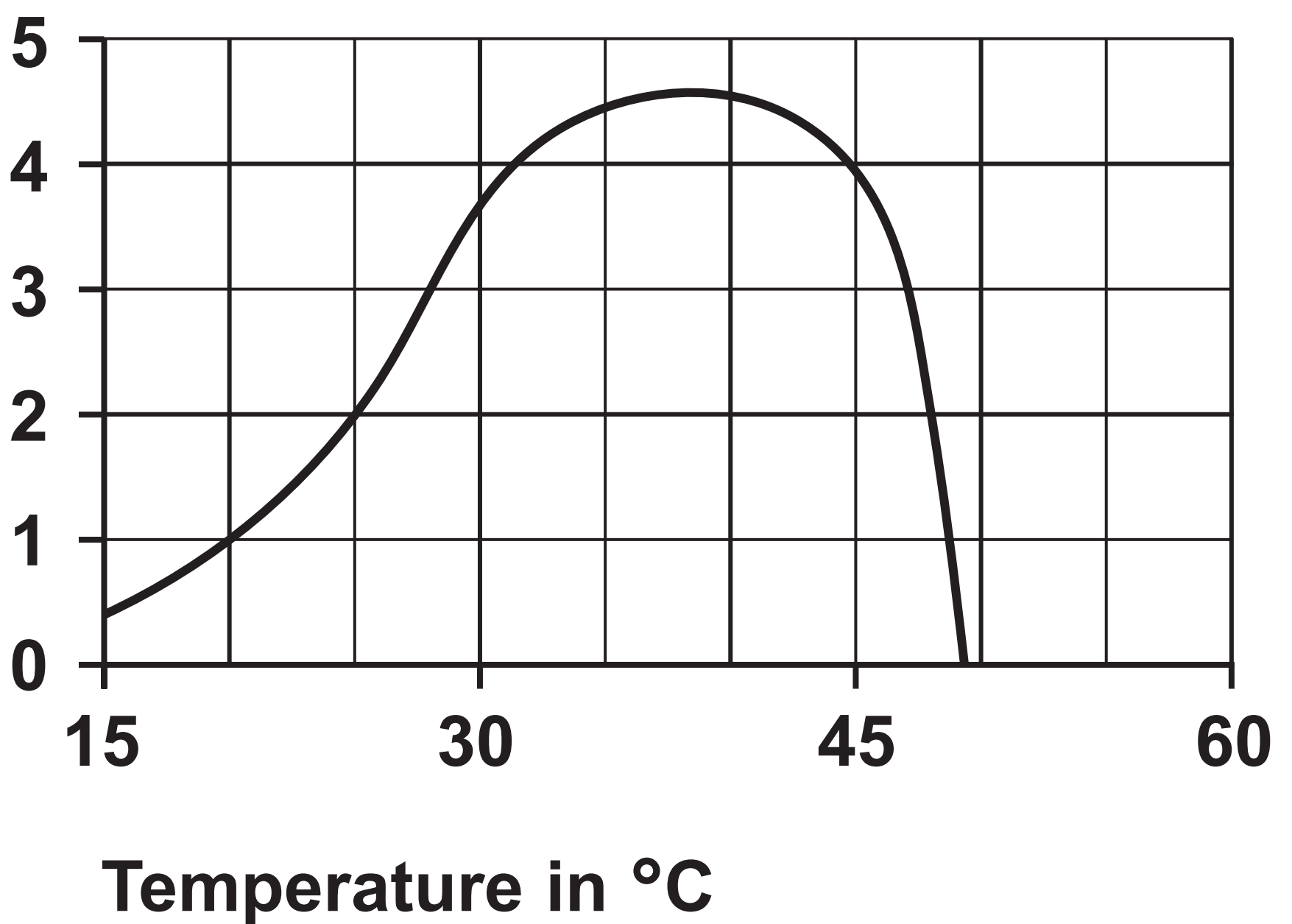
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## Question 1(a)



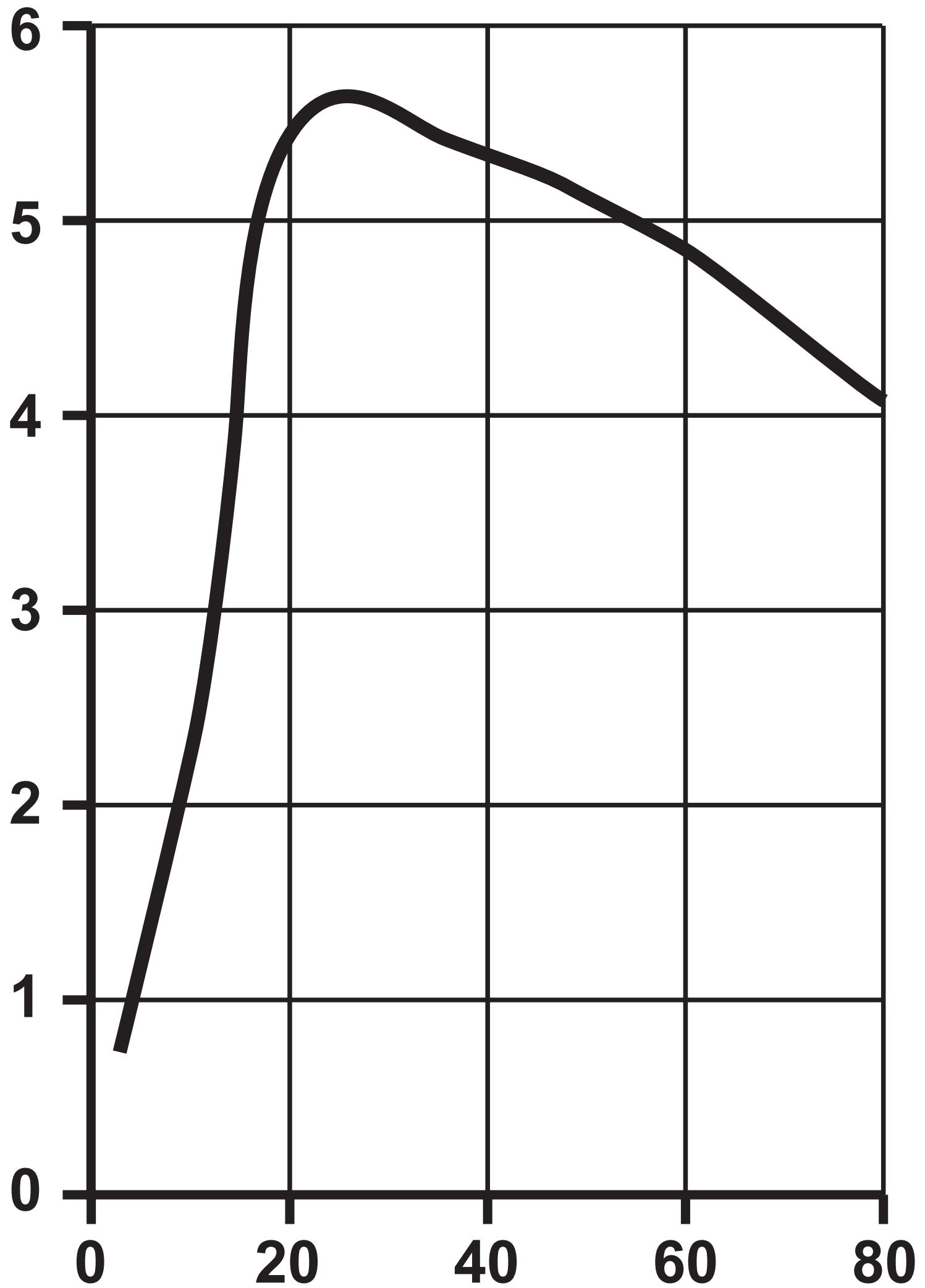
## Question 2(b)

Rate of gas  
produced in  $\text{cm}^3$   
per minute



## Question 3(a)

**Median vital  
capacity in litres**

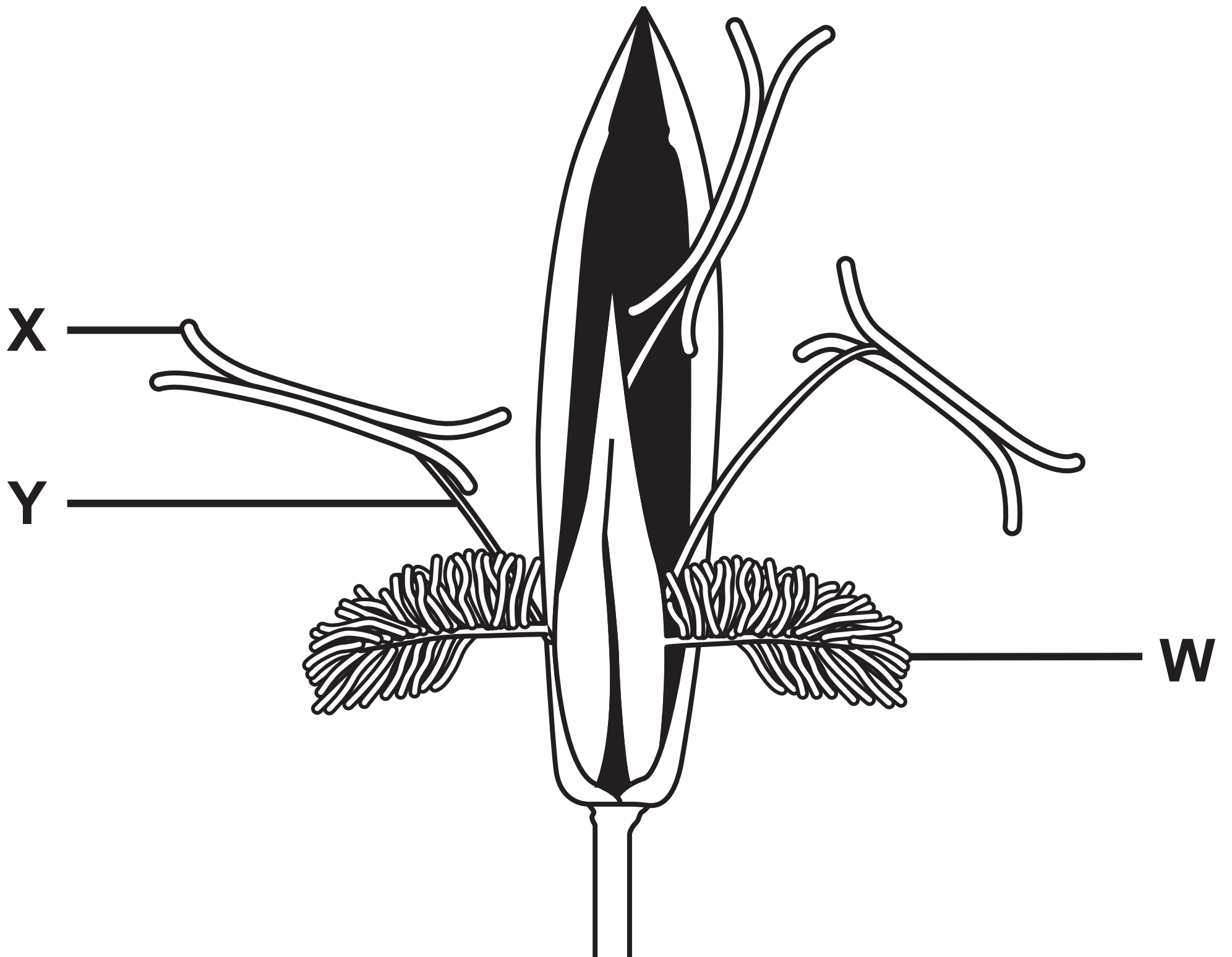


**Age in years**

**Question 4**

<b>Trophic level</b>	<b>Mean number of organisms</b>	<b>Mean dry mass in g</b>
<b>producer</b>	<b>592</b>	<b>821·0</b>
<b>primary consumer</b>	<b>68</b>	<b>37·0</b>
<b>secondary consumer</b>	<b>35</b>	<b>10·60</b>
<b>tertiary consumer</b>	<b>3</b>	<b>2·40</b>

## Question 5

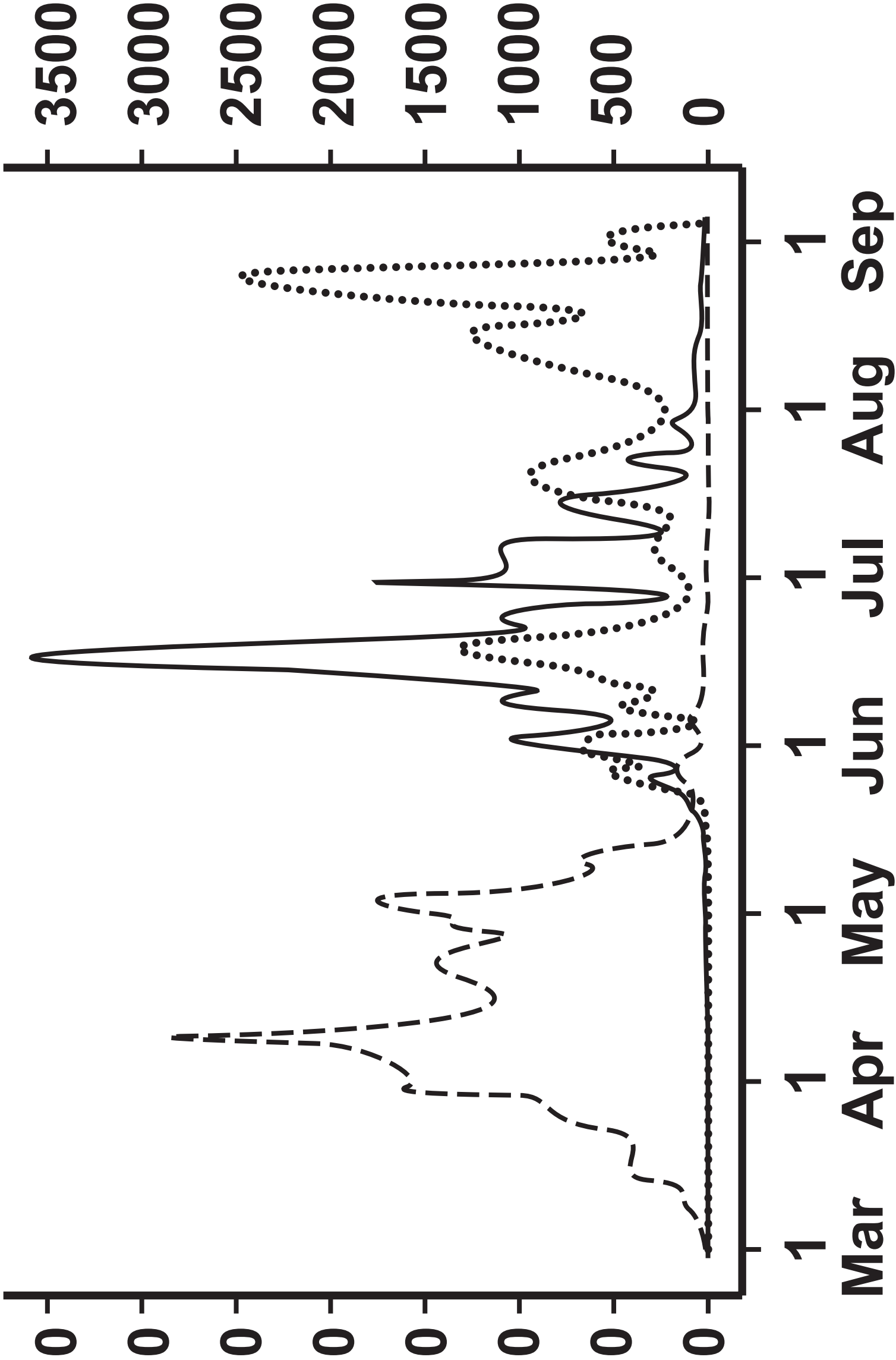




Question 5(b)

- tree
- ..... weed
- grass

Total pollen count



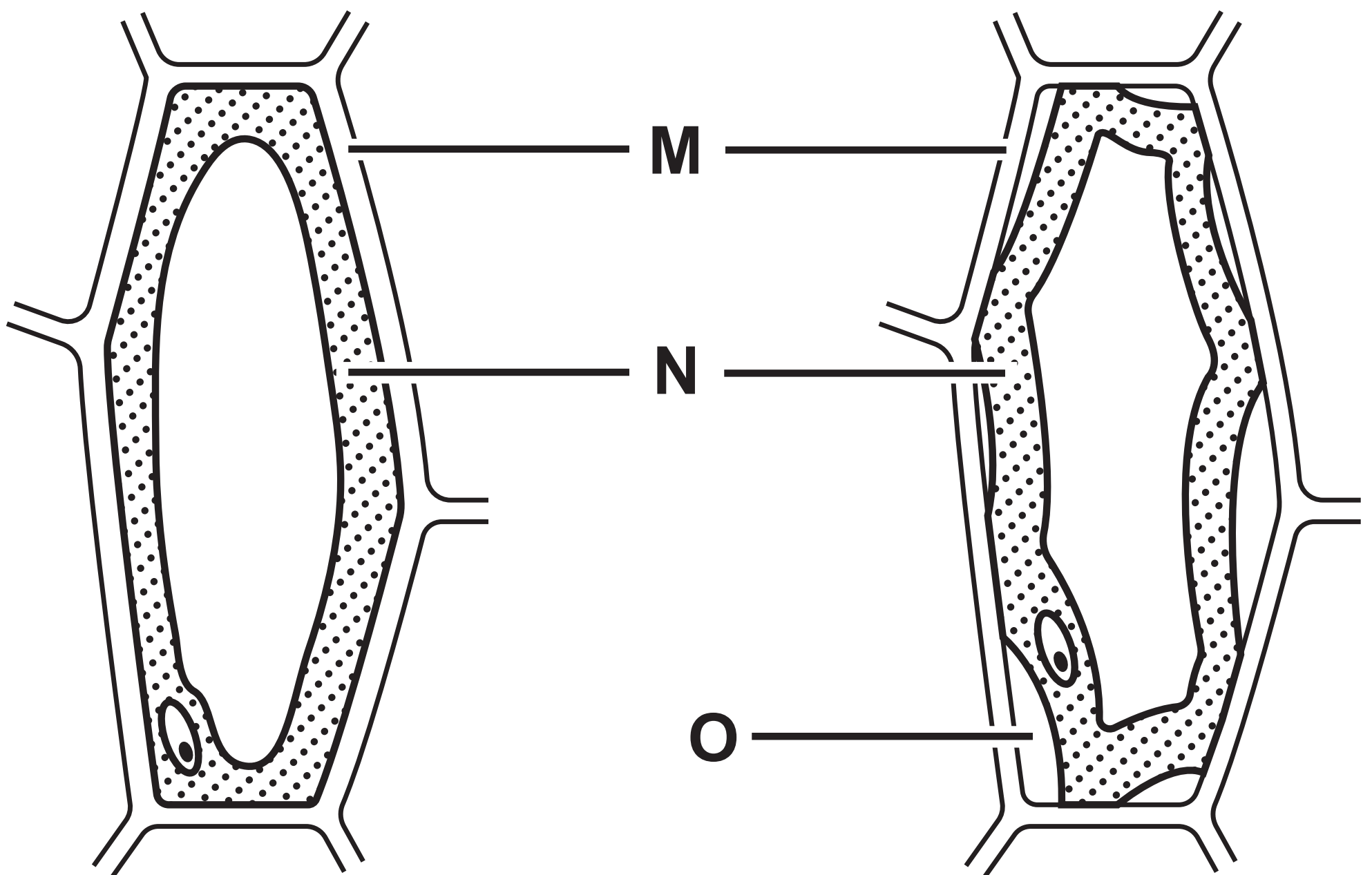
Question 5(b)

Person	Months with severe symptoms	Months with mild symptoms	Months with no symptoms
A	April and May	March and June	July to September
B	June and July	March to May August	none
C	April to September	March	none
D	none	none	all
E	June to September	March to May	none

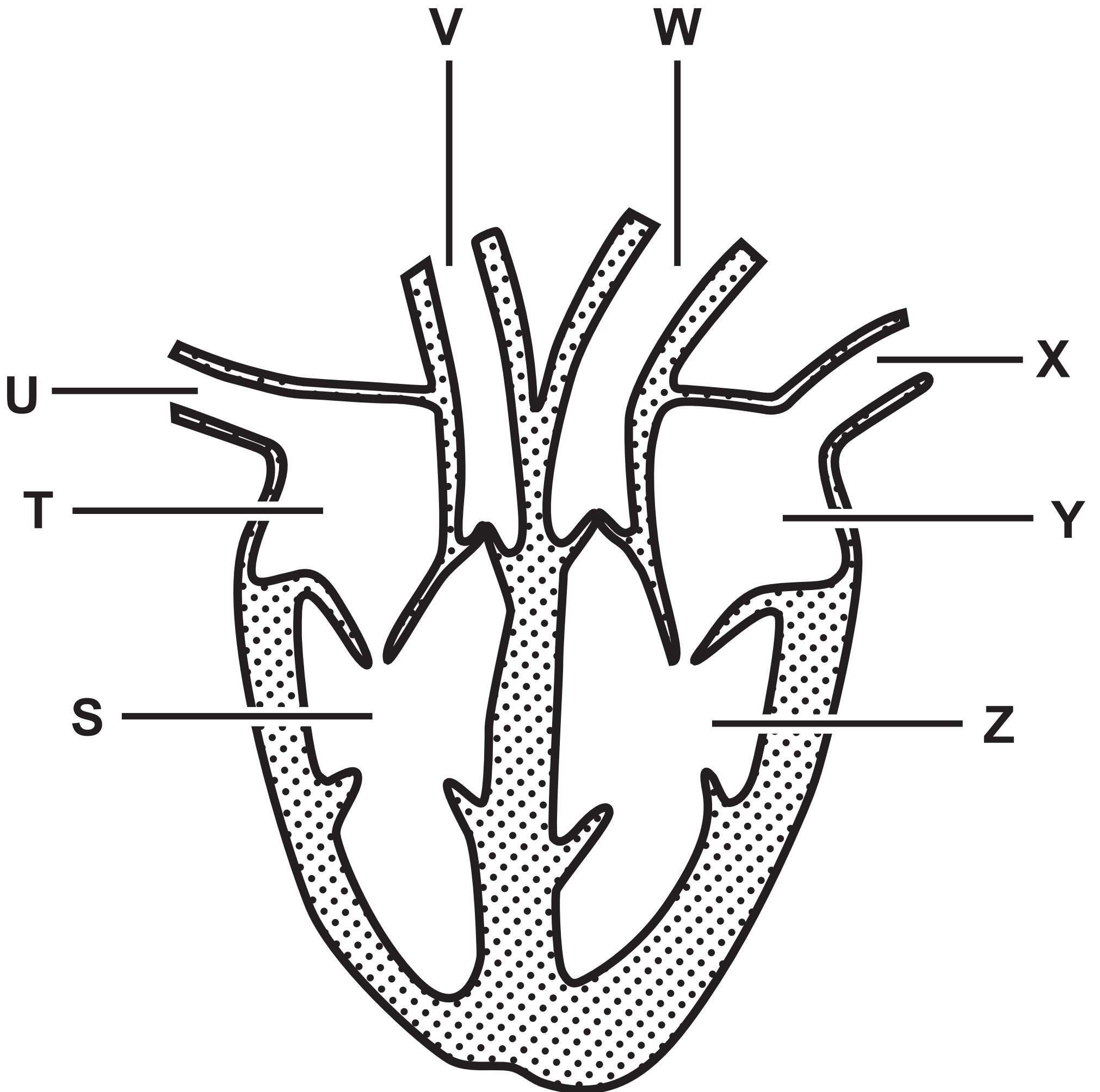
## Question 6

**Cell in  
distilled water**

**Cell in  
concentrated  
solution of  
sodium chloride**



## Question 7(a)



Question 7(c)

Age in years	Calculated rate of heart attacks in arbitrary units		
	normal mass	overweight	obese
under 40	3·7	6·4	12·1
40 to 60	18·6	21·4	27·0
over 60	36·1	36·4	17·3
all ages	11·3	16·3	20·2

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### Question 9(b)(i)

[illegible]

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### Question 9(b)(i)

[illegible]