

Paper Reference(s) 1BI0/1F
Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Biology
PAPER 1
Foundation Tier

Friday 10 May 2024 – Morning

Time: 1 hour 45 minutes

Diagram Booklet

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

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

Surname					
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Centre Number					
Candidate Number					

INSTRUCTIONS

There may be spare copies of some diagrams in case you need them.

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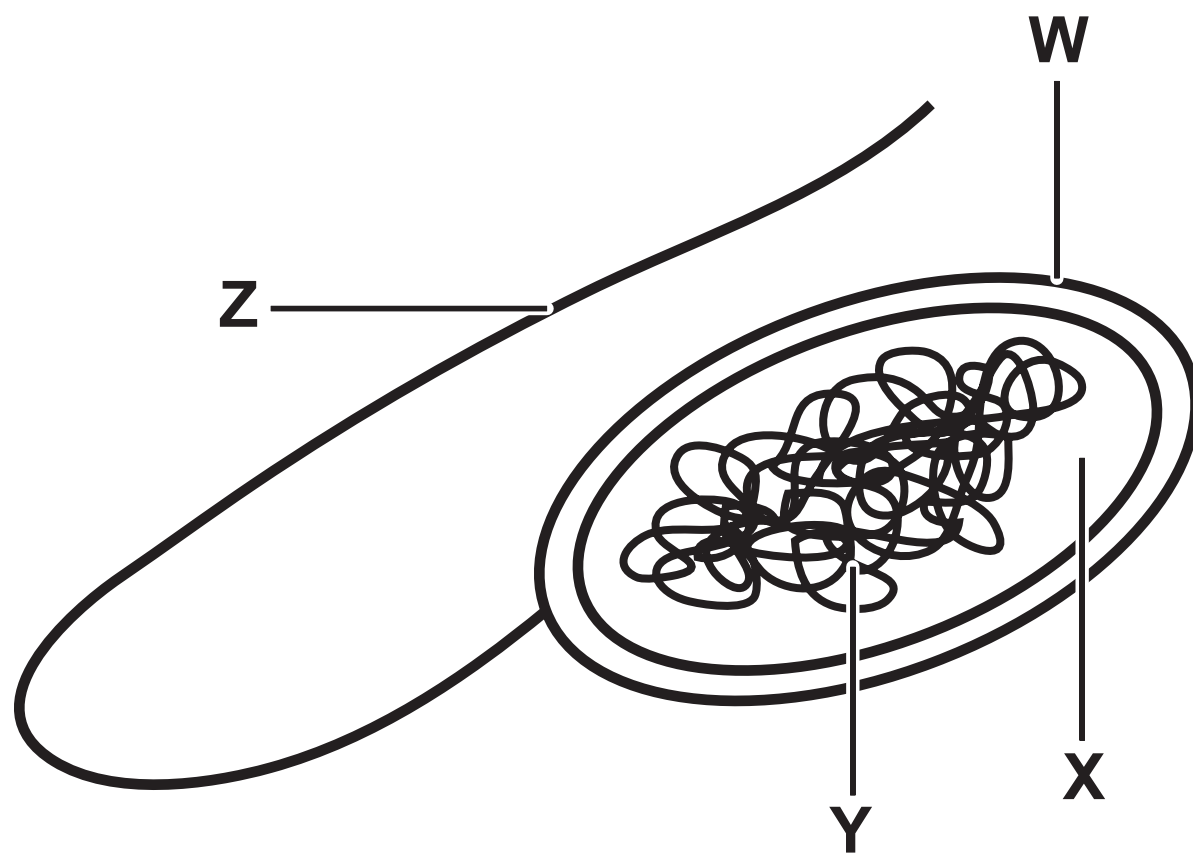
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Spare Copies

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Question 1(a)

FIGURE 1



Question 1(b)

body defence

hydrochloric
acid

skin

function

moves pathogens away
from the lungs

makes antibodies

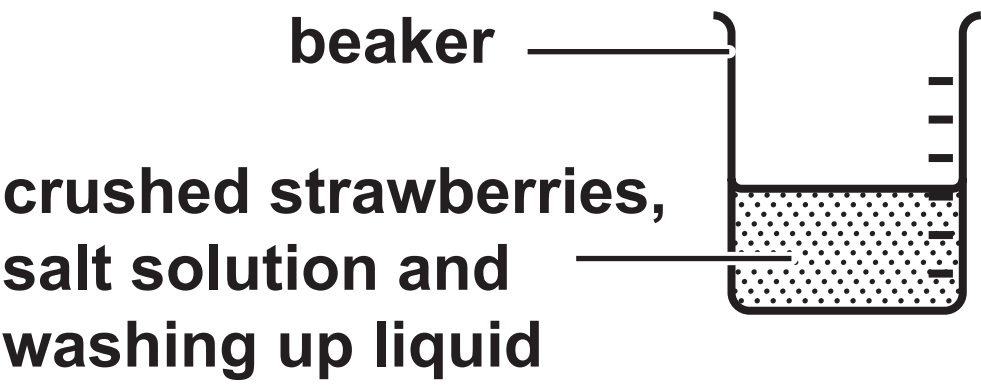
destroys pathogens in
the stomach

makes antigens

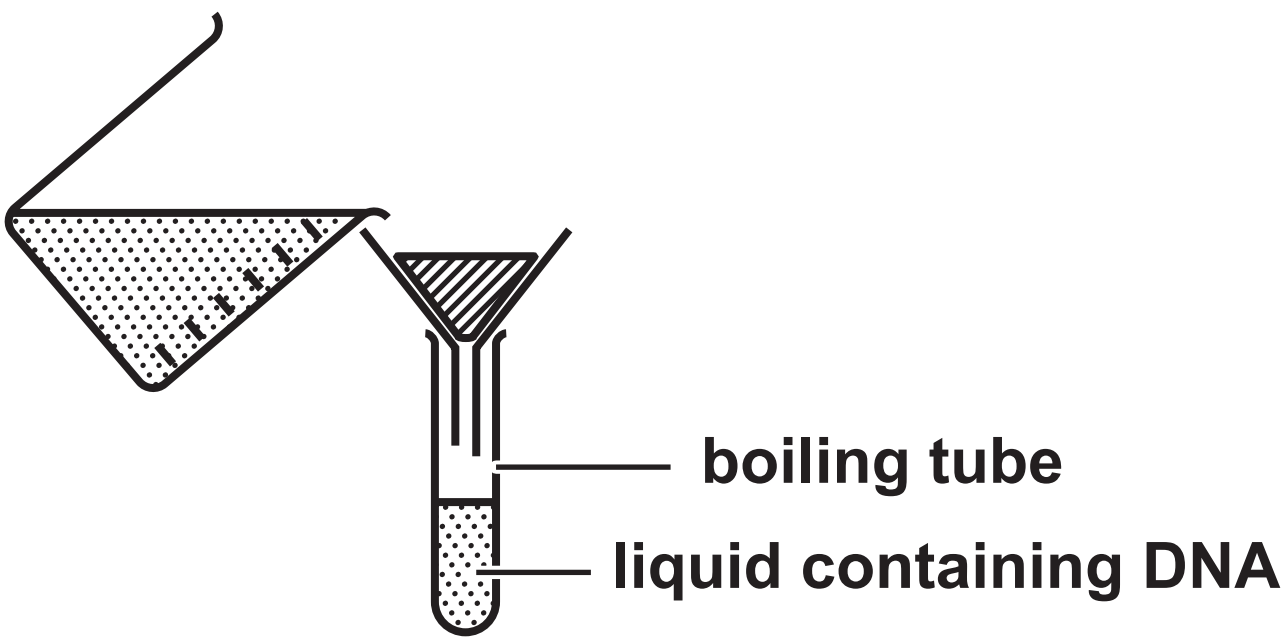
stops pathogens entering
the body

FIGURE 2

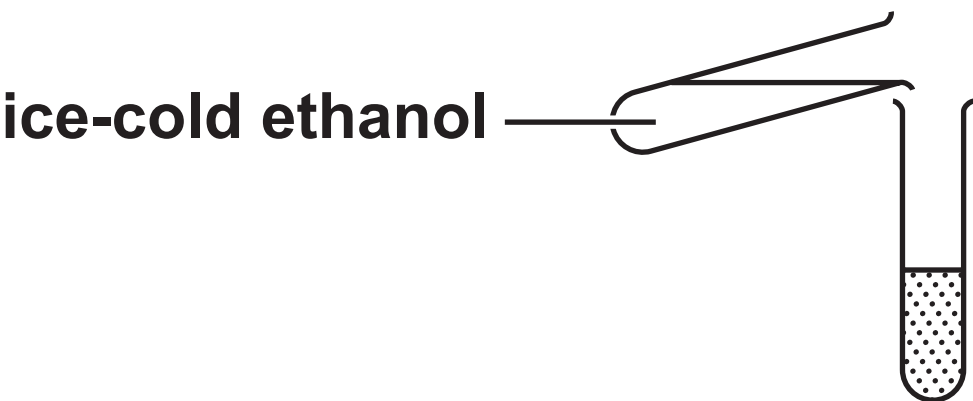
STAGE 1



STAGE 2



STAGE 3



STAGE 4

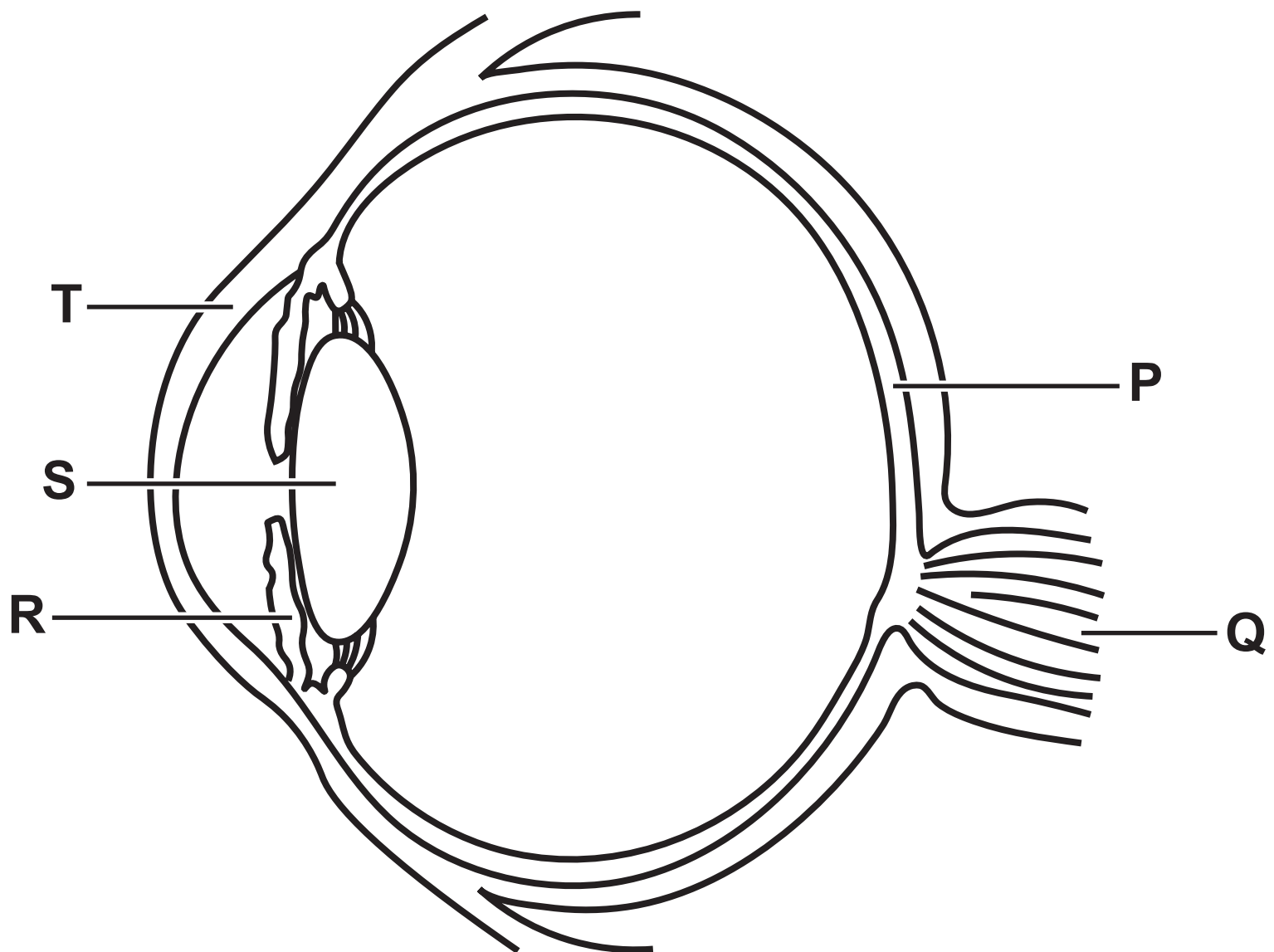


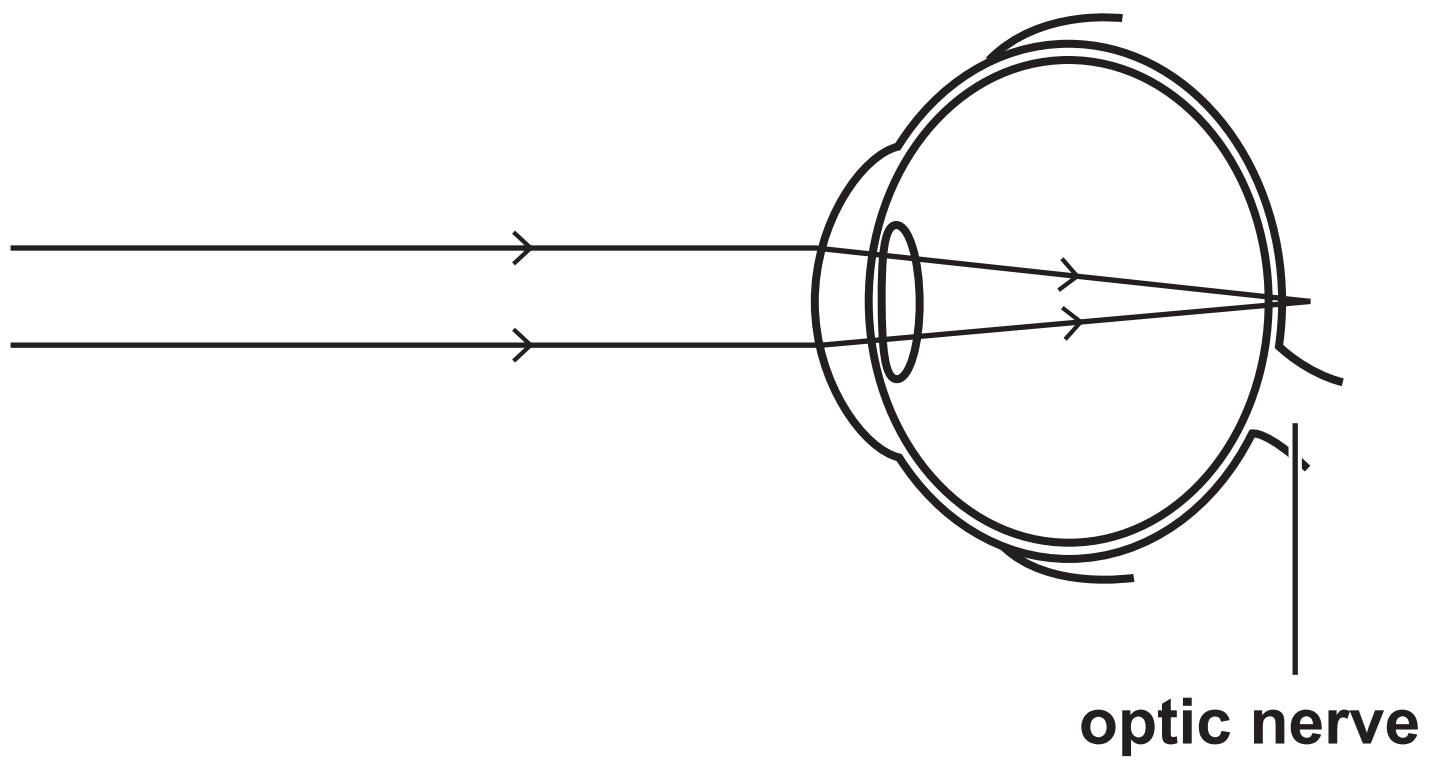
Question 2(b)**FIGURE 3**

strawberry	mass of DNA in ng
1	11·8
2	6·5
3	5·9
4	1·4

Question 3(a)



FIGURE 4



Question 3(b)**FIGURE 5**

Question 4

FIGURE 6

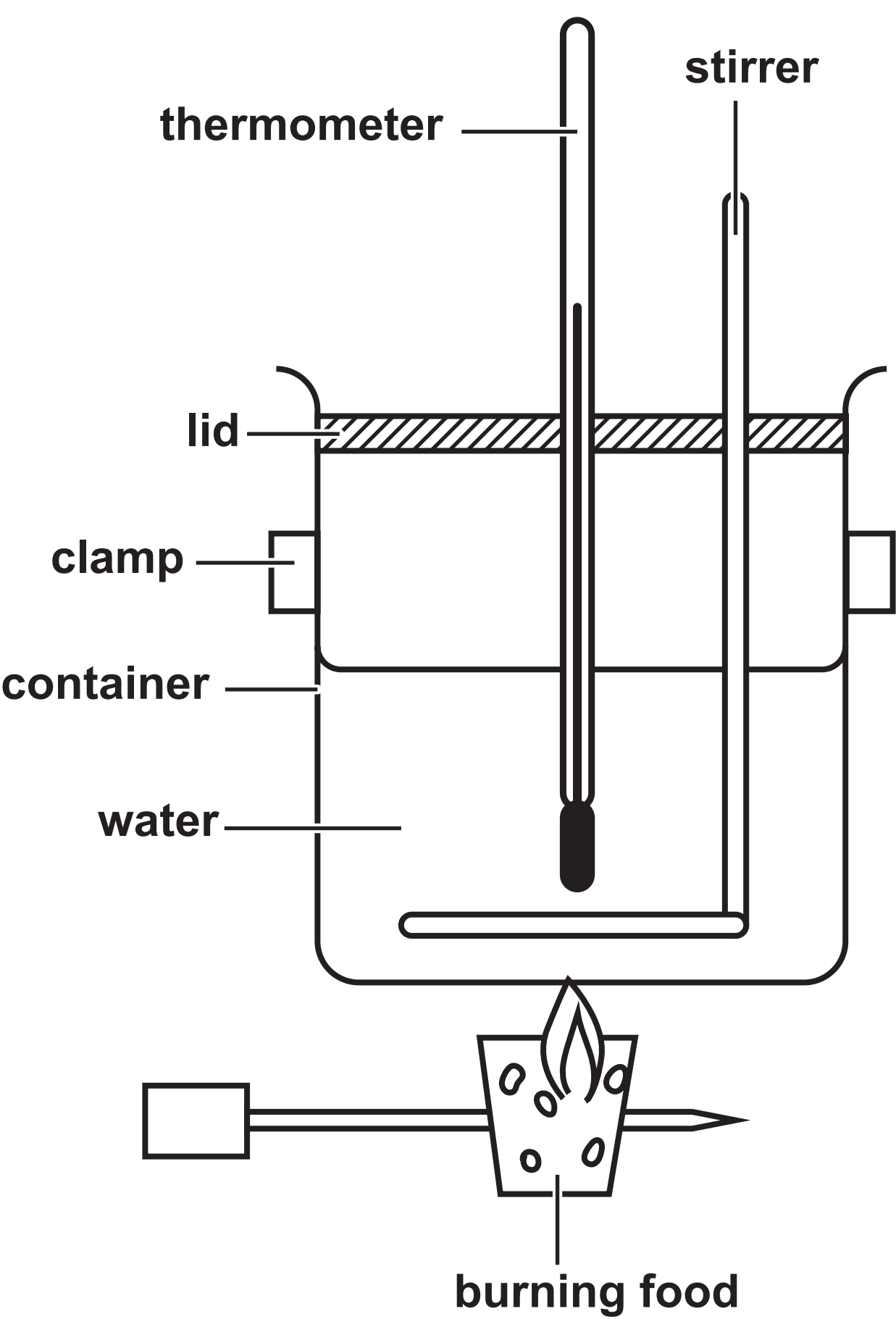
information	red junglefowl	domesticated chicken
photograph		
mass of adult in kg	0.75 to 1.2	2.5 to 3.0
number of eggs laid per year	10 to 15	250 to 300

Question 4(c)

type of cell produced	type of cell division	number of daughter cells produced
body cell	mitosis	
gamete		

Question 5

FIGURE 7



Question 5(b)

FIGURE 8

temperature change in °C	mass of water in g
30	50

Question 5(b)(ii)

FIGURE 9

temperature change in °C	mass of water in g	energy content in J
64	25	6 720

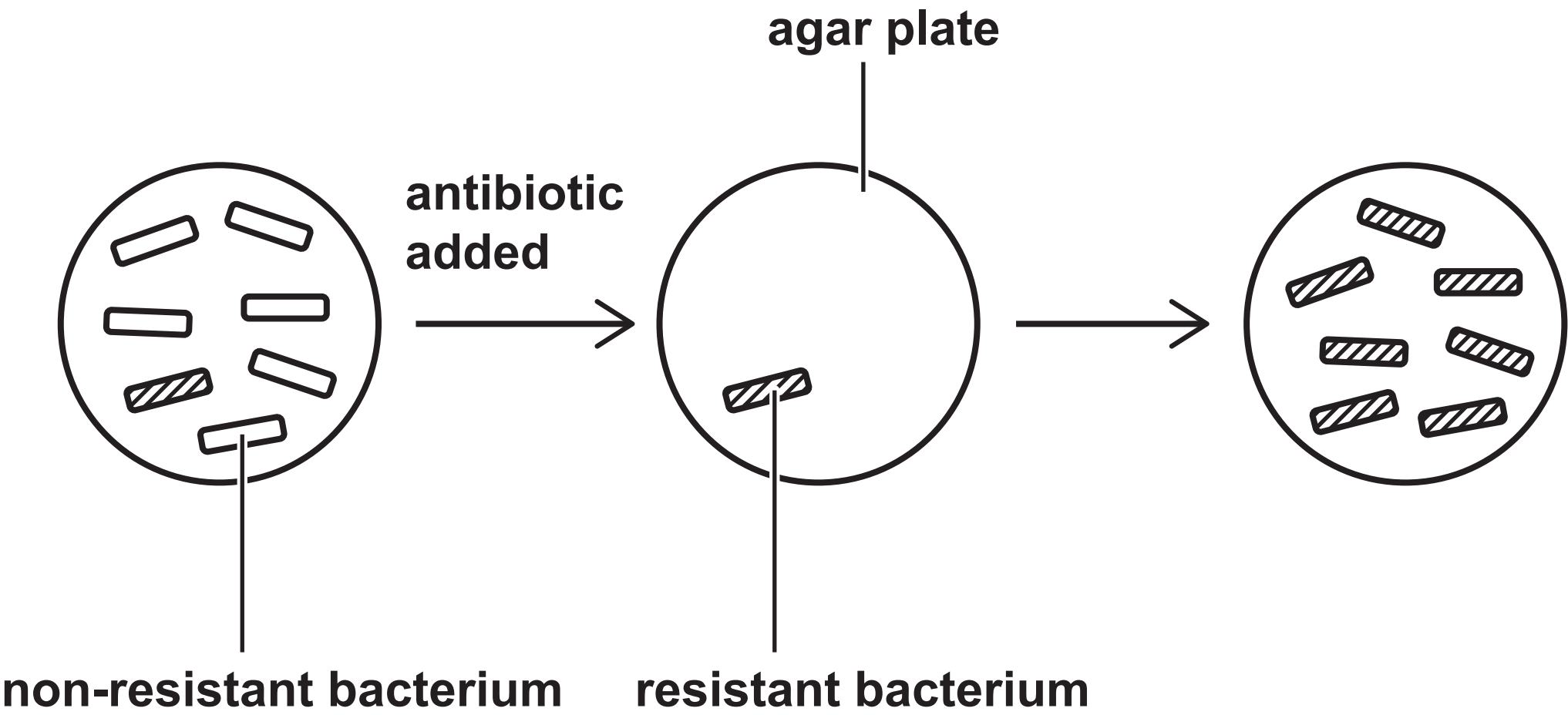
Question 5(c)

FIGURE 10

food	carbohydrate in g	fat in g	energy in kJ
100 g of apple	14·0	0·2	220
100 g of avocado	9·0	15·0	669

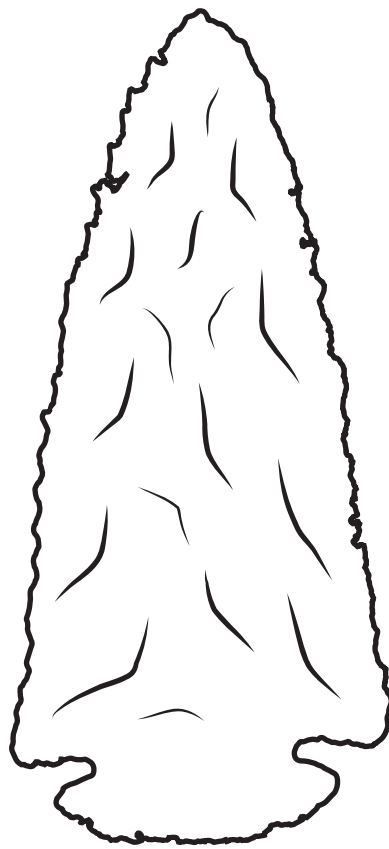
Question 6(b)

FIGURE 11



Question 6(d)**FIGURE 12**

tool A
approximately
4 000 years old



tool B
approximately
100 000 years old

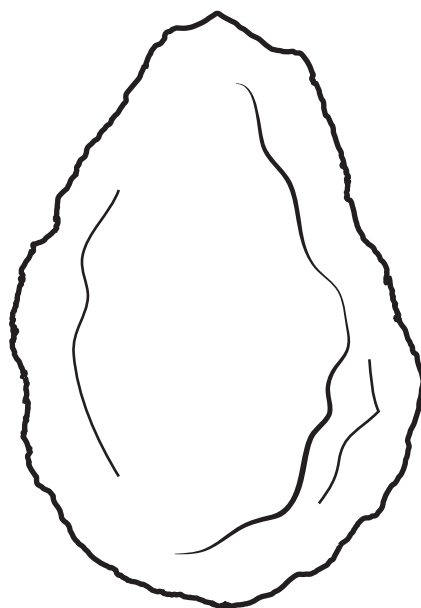


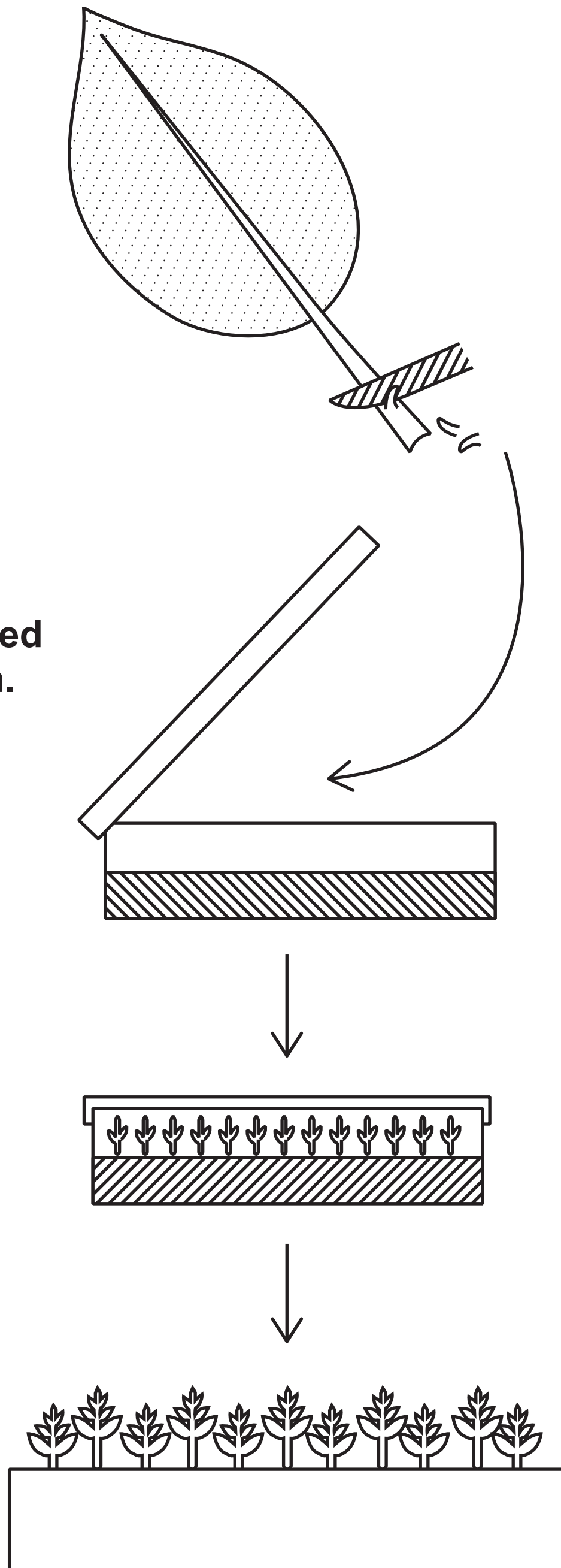
FIGURE 13

Step 1: Cells are taken from a rare plant.

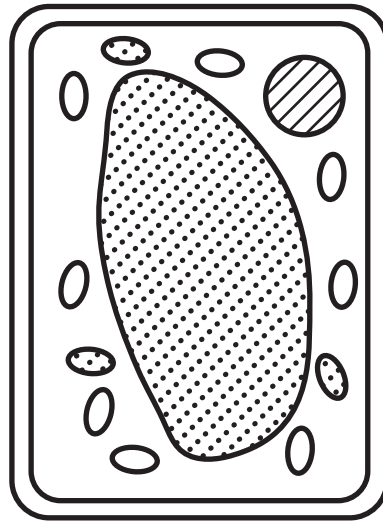
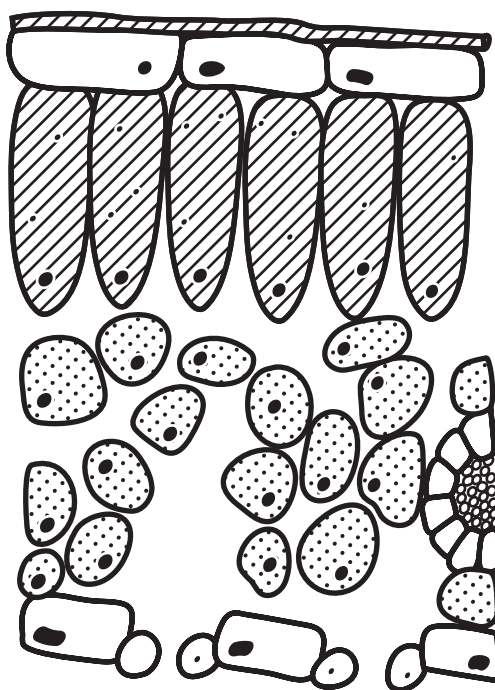
Step 2: The cells are placed on sterile growth medium.

Step 3: The cells develop into small plantlets with roots and stems.

Step 4: The plantlets are grown in compost.



Question 7(c)

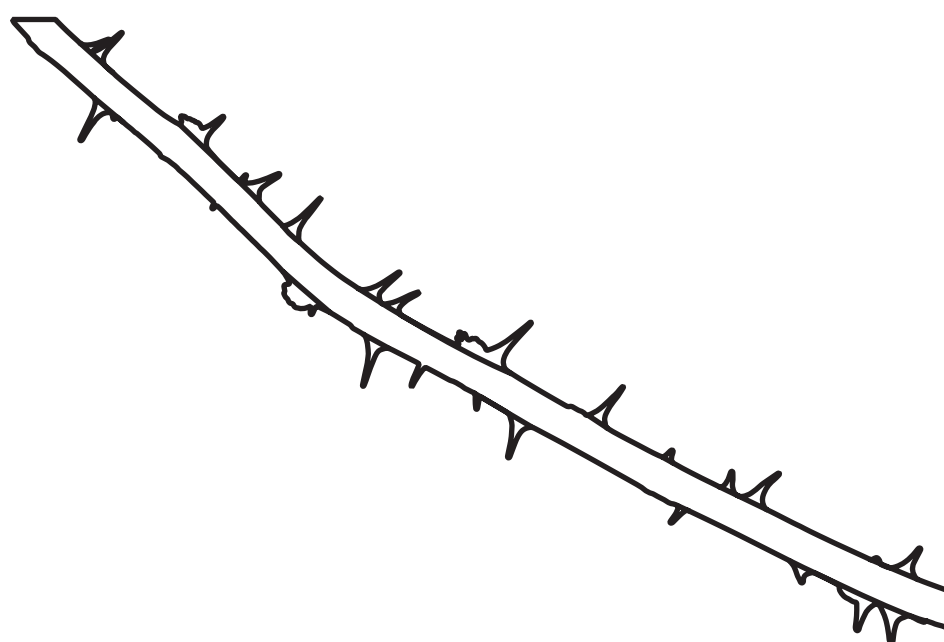
FIGURE 14**plant cell****section through a plant leaf**

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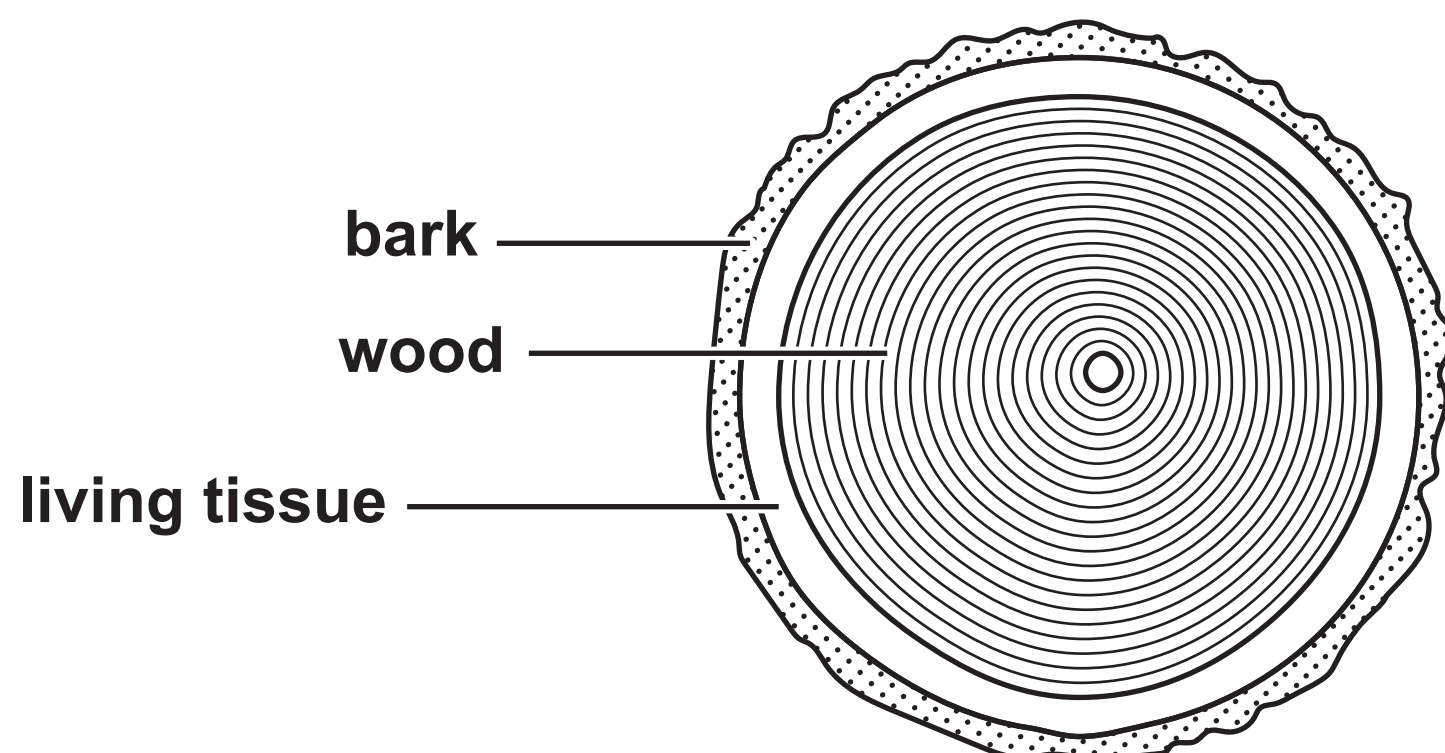
Turn over

Question 7(c) FIGURE 14 continued.

plant stem

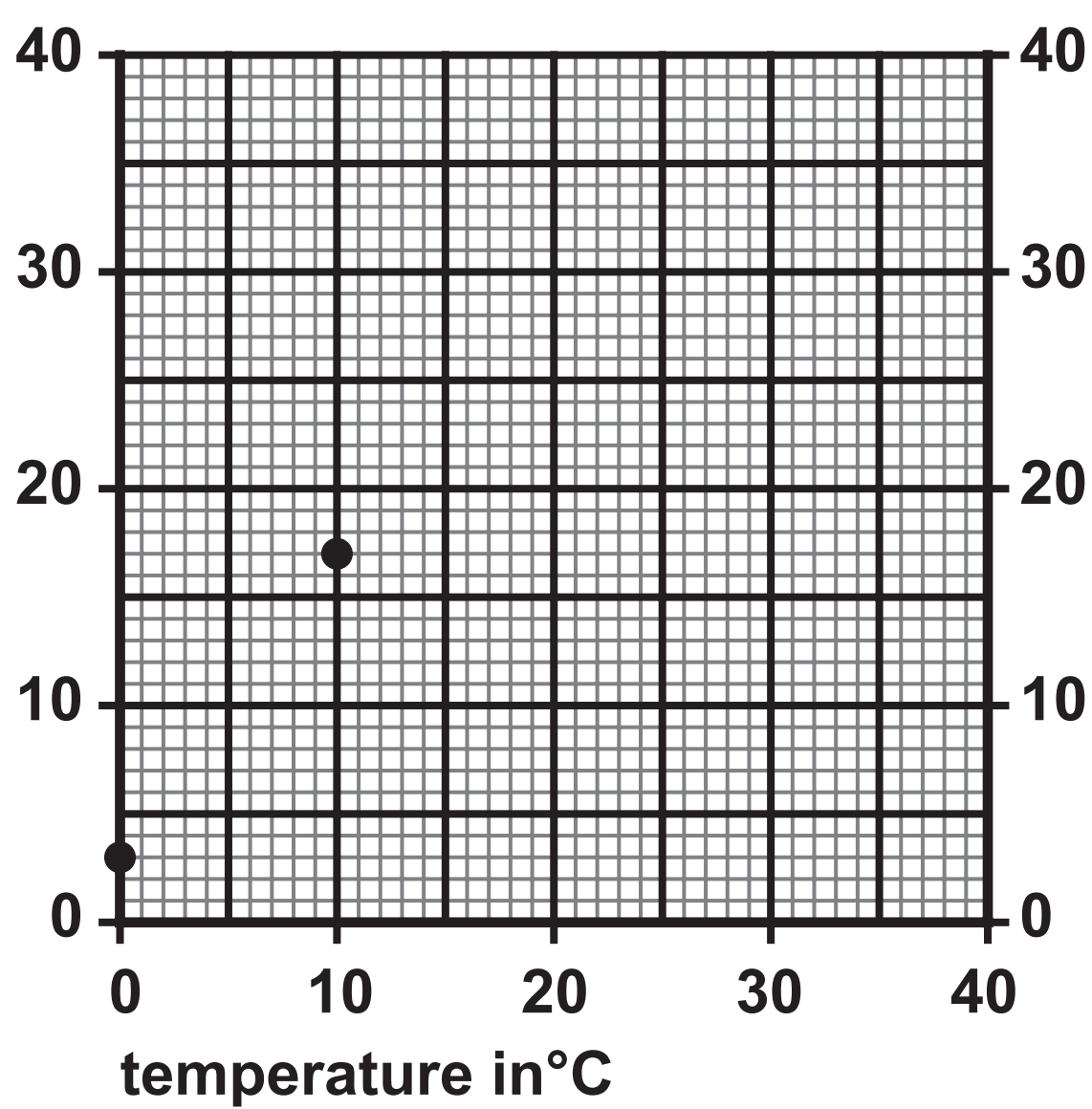


section through a woody stem



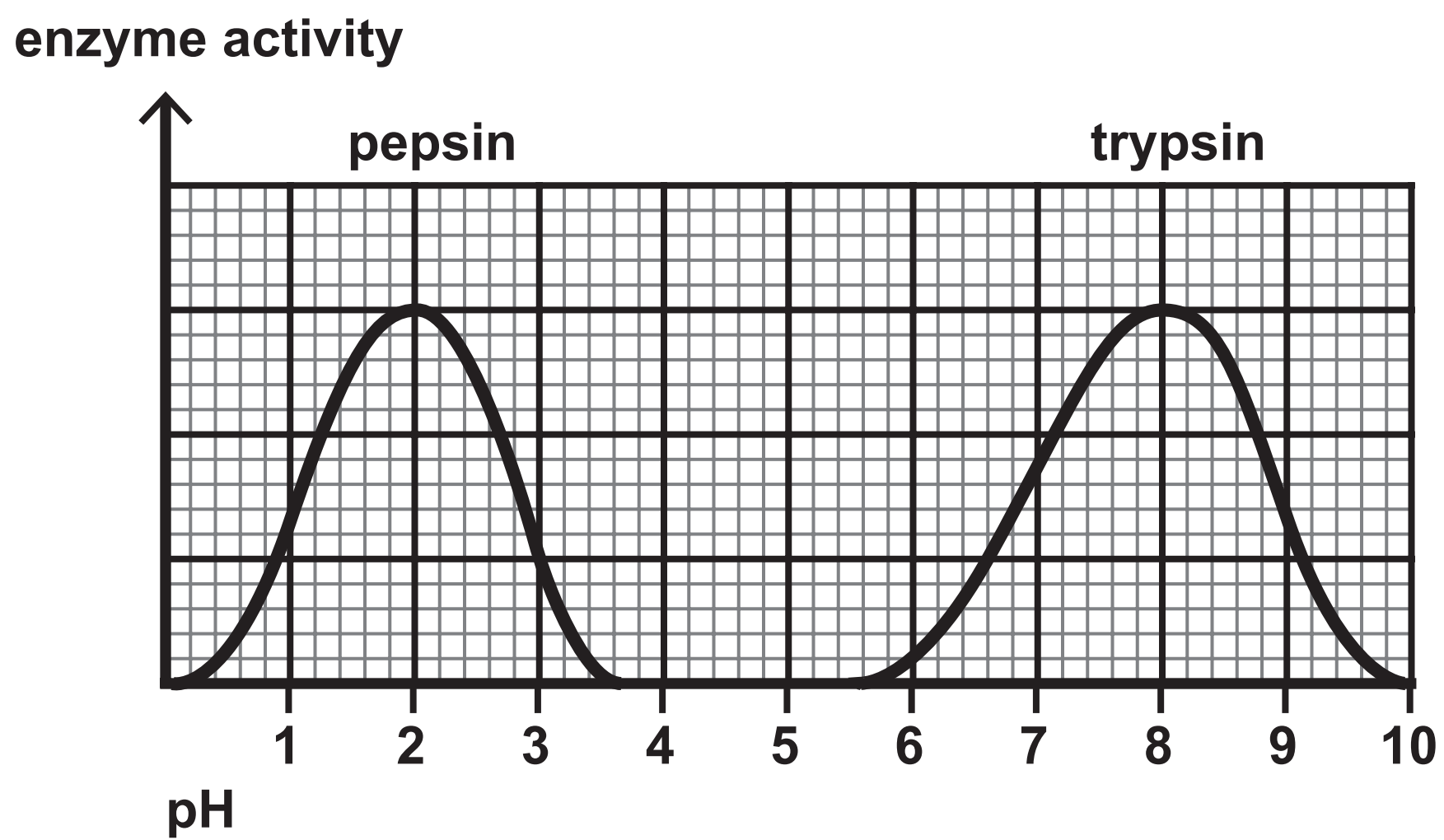
Question 8(a)

rate of reaction in mg per minute



Question 8(b)

FIGURE 16



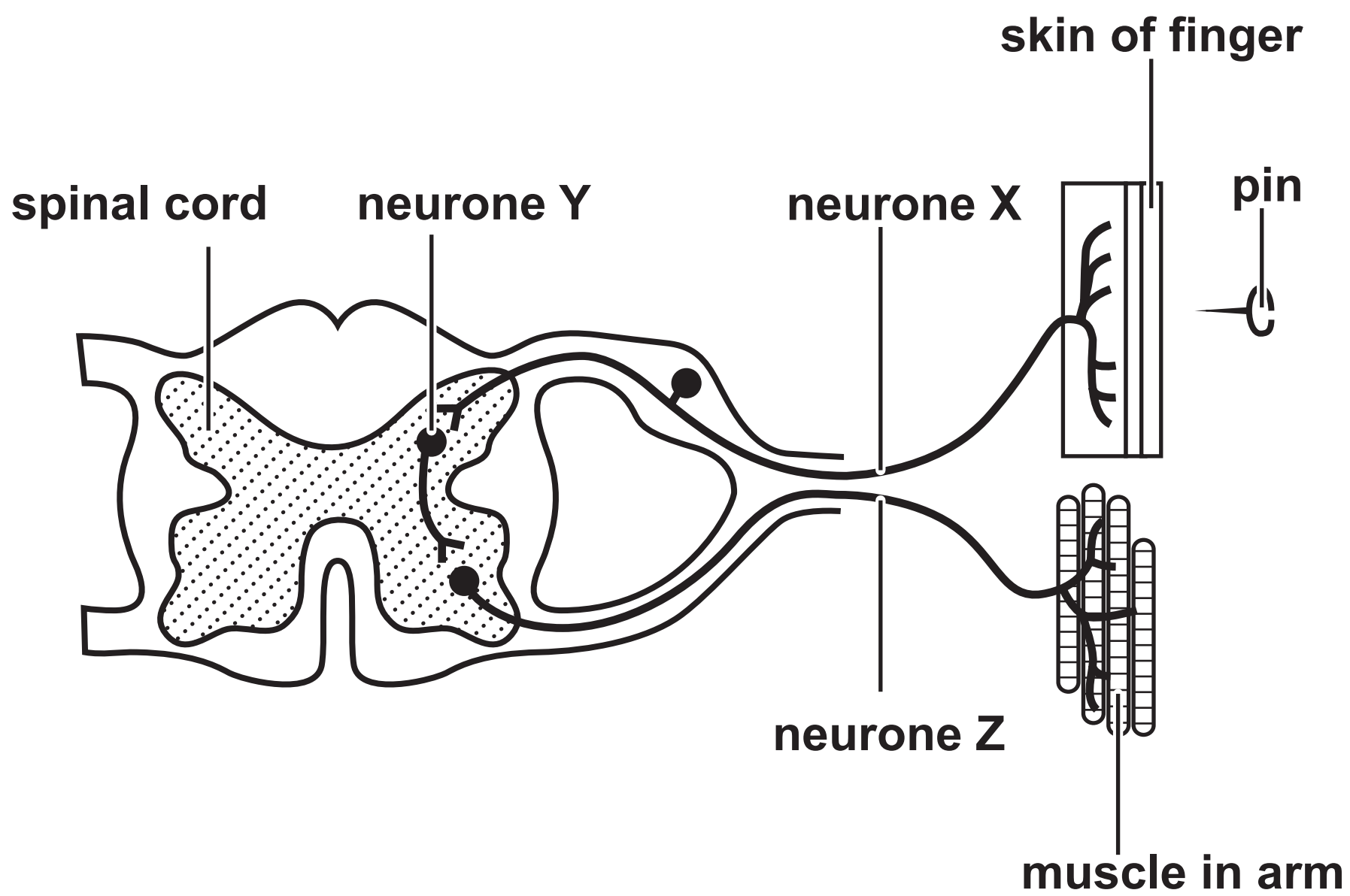
Question 9(b)

FIGURE 17

year	number of measles cases reported
1985	97 408
1995	7 447
2005	2 089
2015	1 193

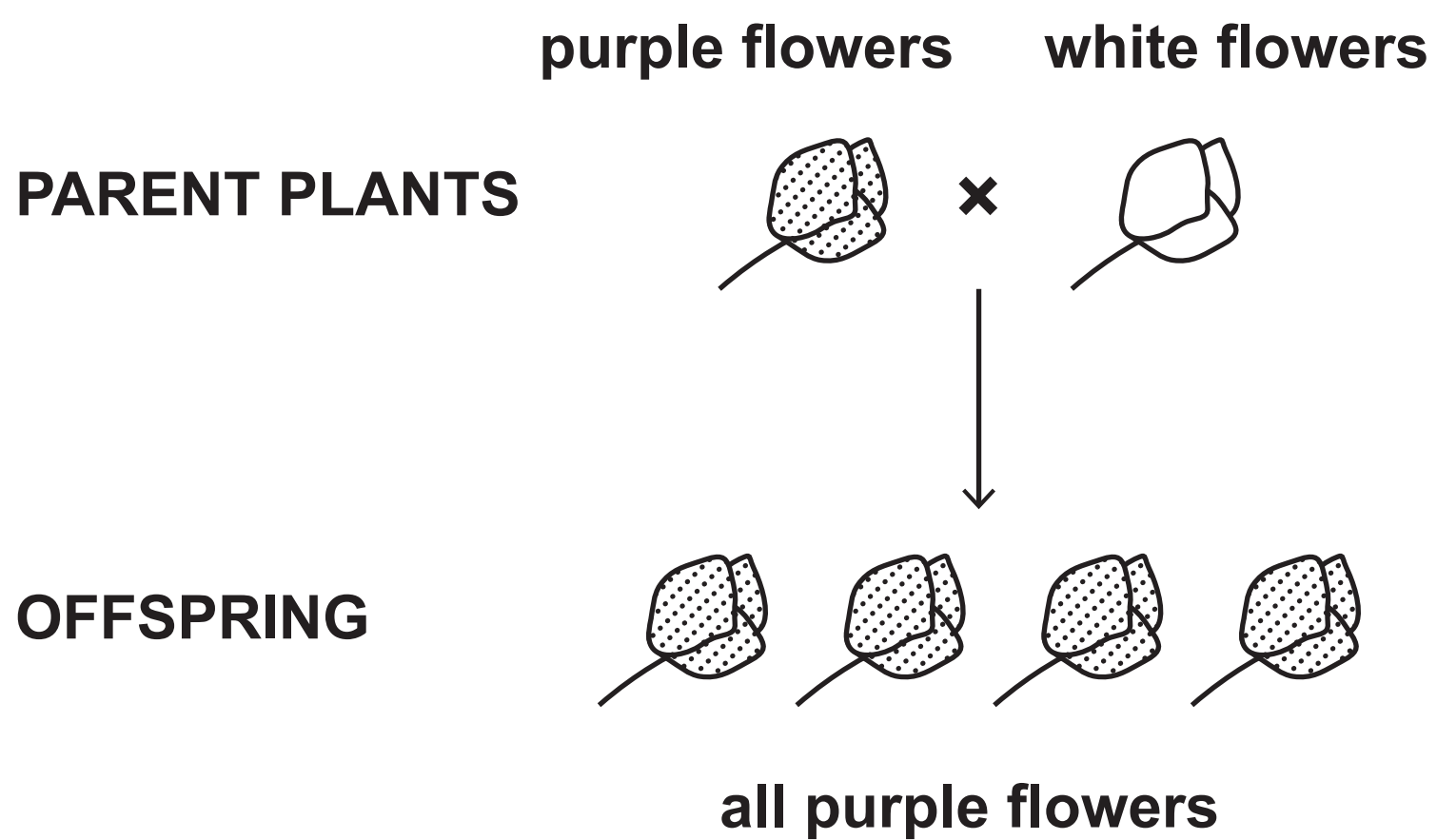
Question 9(d)(ii)

FIGURE 18



Question 10(a)

FIGURE 19



Question 10(a)(iii)

		white flowers	
purple flowers	A		
	a		

Question 1(b)

body defence

hydrochloric
acid

skin

function

moves pathogens away
from the lungs

makes antibodies

destroys pathogens in
the stomach

makes antigens

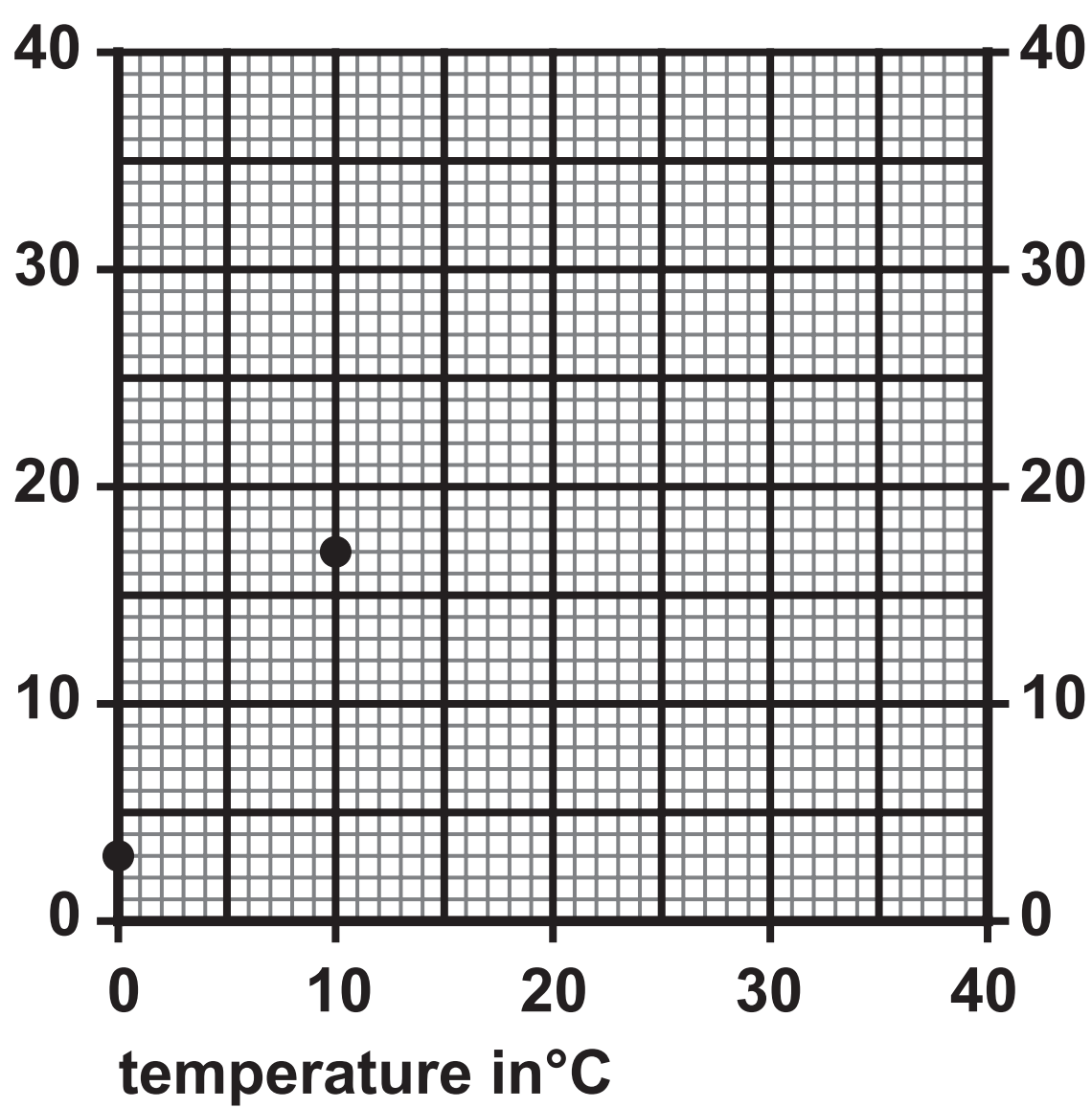
stops pathogens entering
the body

Question 4(c)

type of cell produced	type of cell division	number of daughter cells produced
body cell	mitosis	
gamete		

Question 8(a)

rate of reaction in mg per minute



Question 10(a)(iii)

		white flowers	
purple flowers	A		
	a		

Question 4

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Question 6(d)

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Question 7(c)

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