

**Paper Reference(s) 1SC0/1BF**  
**Pearson Edexcel Level 1/Level 2 GCSE**  
**(9–1)**

**Combined Science**  
**PAPER 1**  
**Foundation Tier**

**Friday 10 May 2024 – Morning**  
**Time: 1 hour 10 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.**

<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.**

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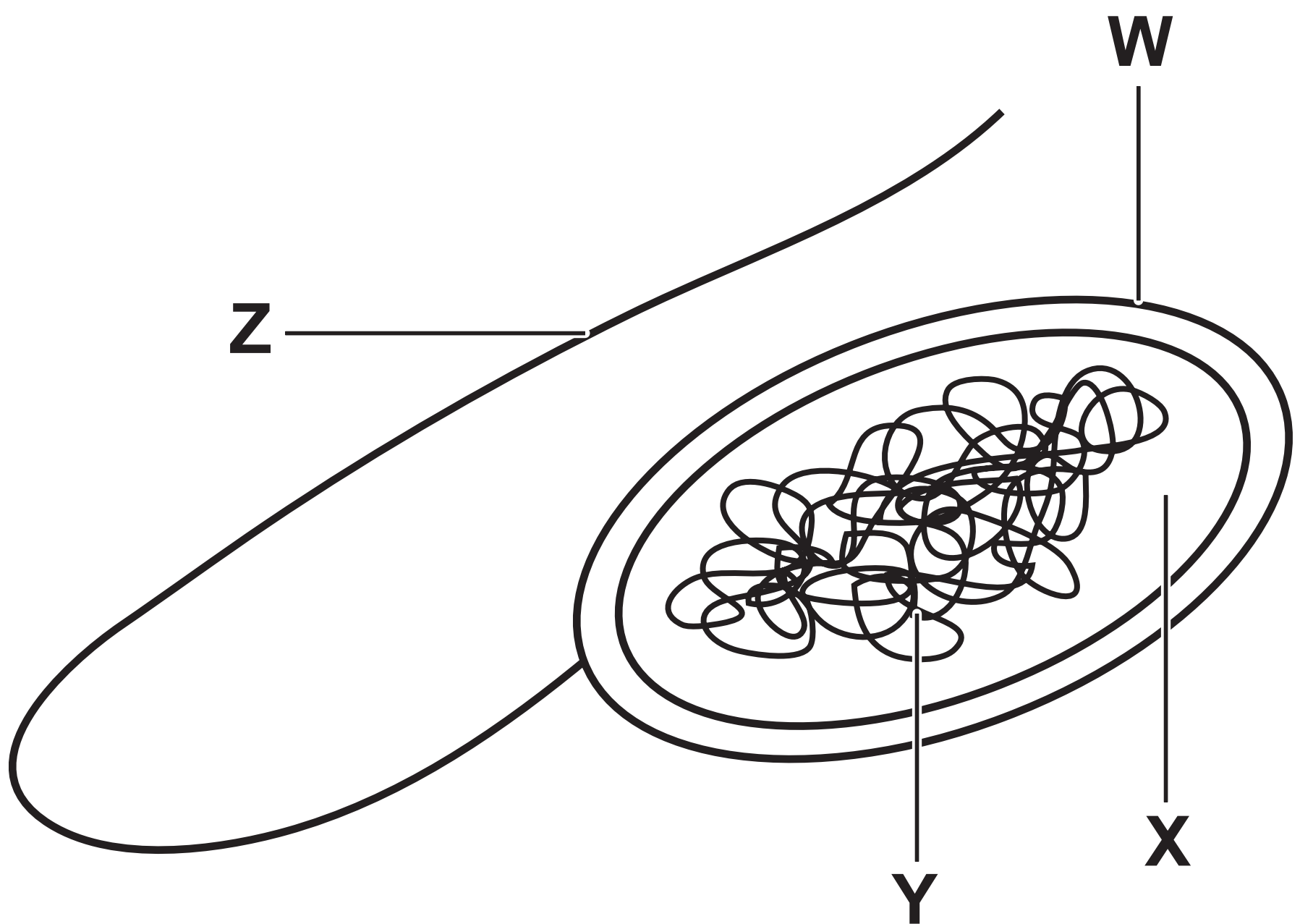
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# Question 1(a)

**FIGURE 1**





## Question 1(b)

**body defence**

**hydrochloric  
acid**

**skin**

**function**

**moves pathogens  
away from the lungs**

**makes antibodies**

**destroys pathogens  
in the stomach**

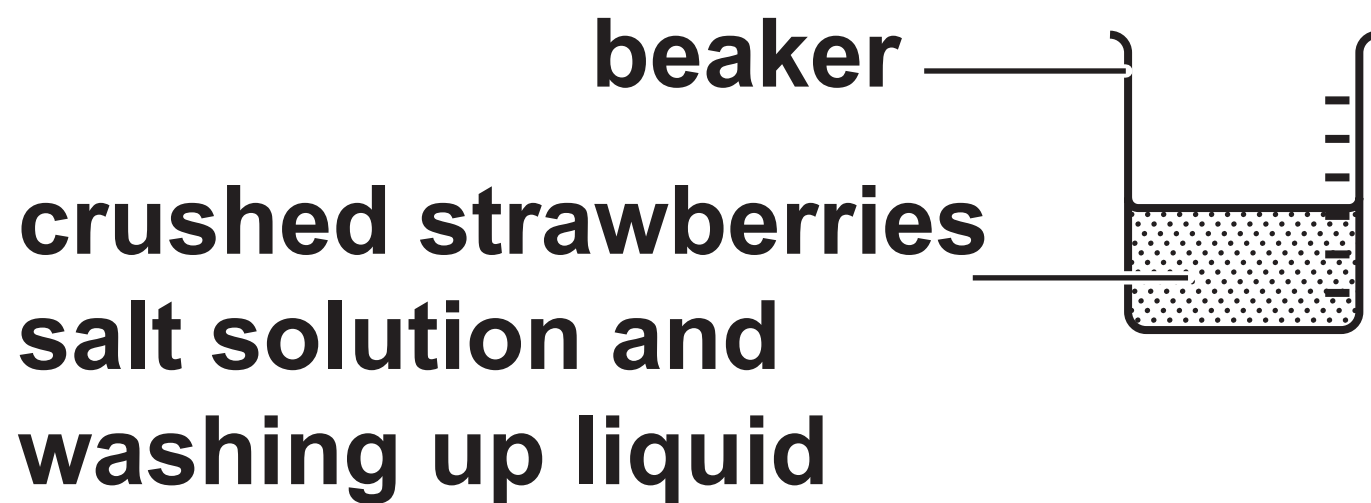
**makes antigens**

**stops pathogens  
entering the body**

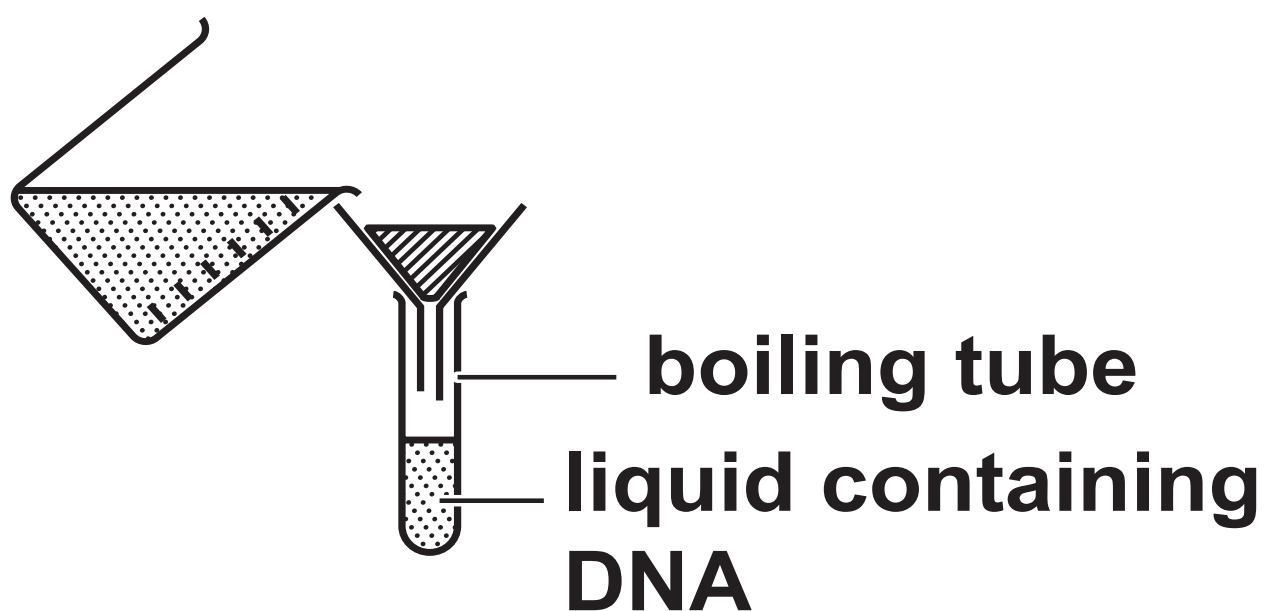
## Question 2

### FIGURE 2

#### STAGE 1



#### STAGE 2



(continued on the next page)

Turn over

## Question 2 continued.

### STAGE 3



### STAGE 4





## Question 2(b)

**FIGURE 3**

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

FIGURE 4

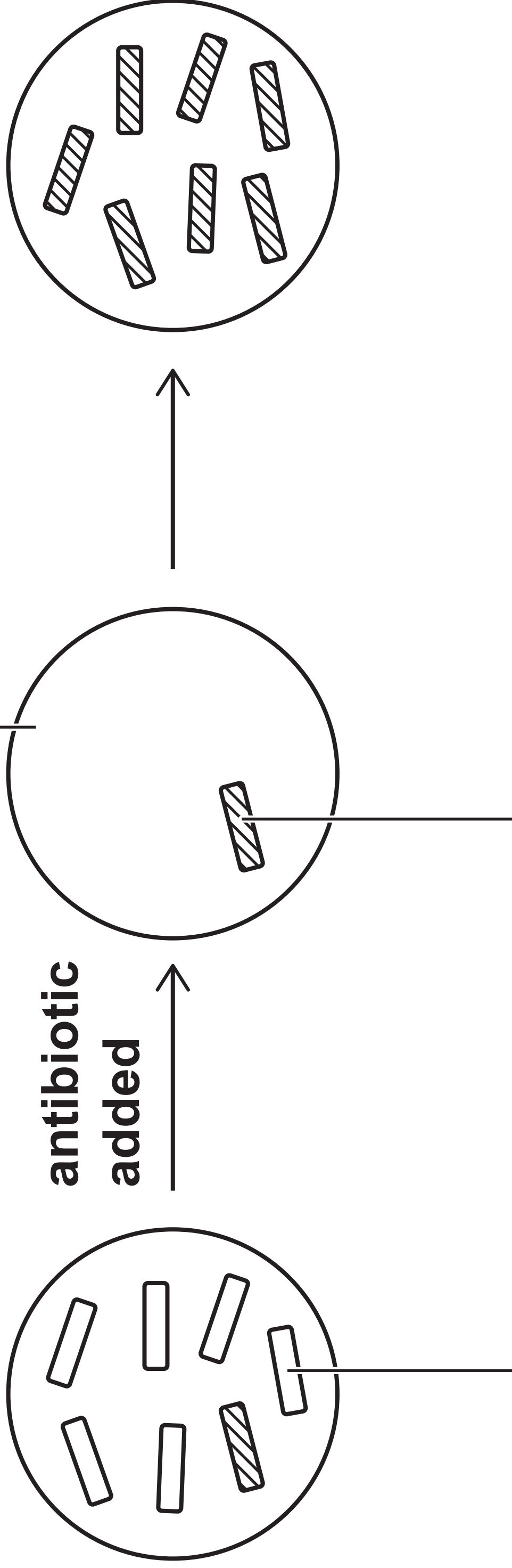
information	red junglefowl	domesticated chicken
photograph		
mass of adult in kg	0.75 to 1.2	2.5 to 3.0
number of eggs laid per year	10 to 15	250 to 300

Question 3(c)

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

FIGURE 5

agar plate



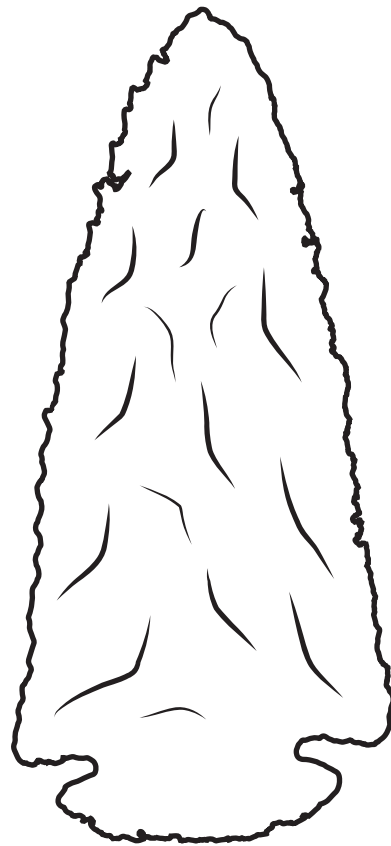
non-resistant  
bacterium

resistant  
bacterium

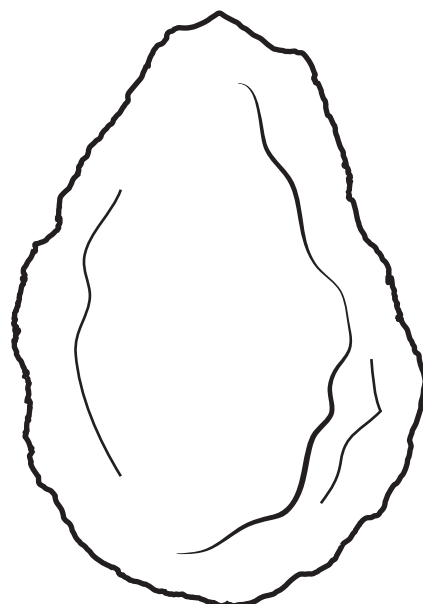
## Question 4(d)

### FIGURE 6

**tool A**  
**approximately**  
**4 000 years old**



**tool B**  
**approximately**  
**100 000 years old**





## Question 5(a)

rate of reaction in mg  
per minute

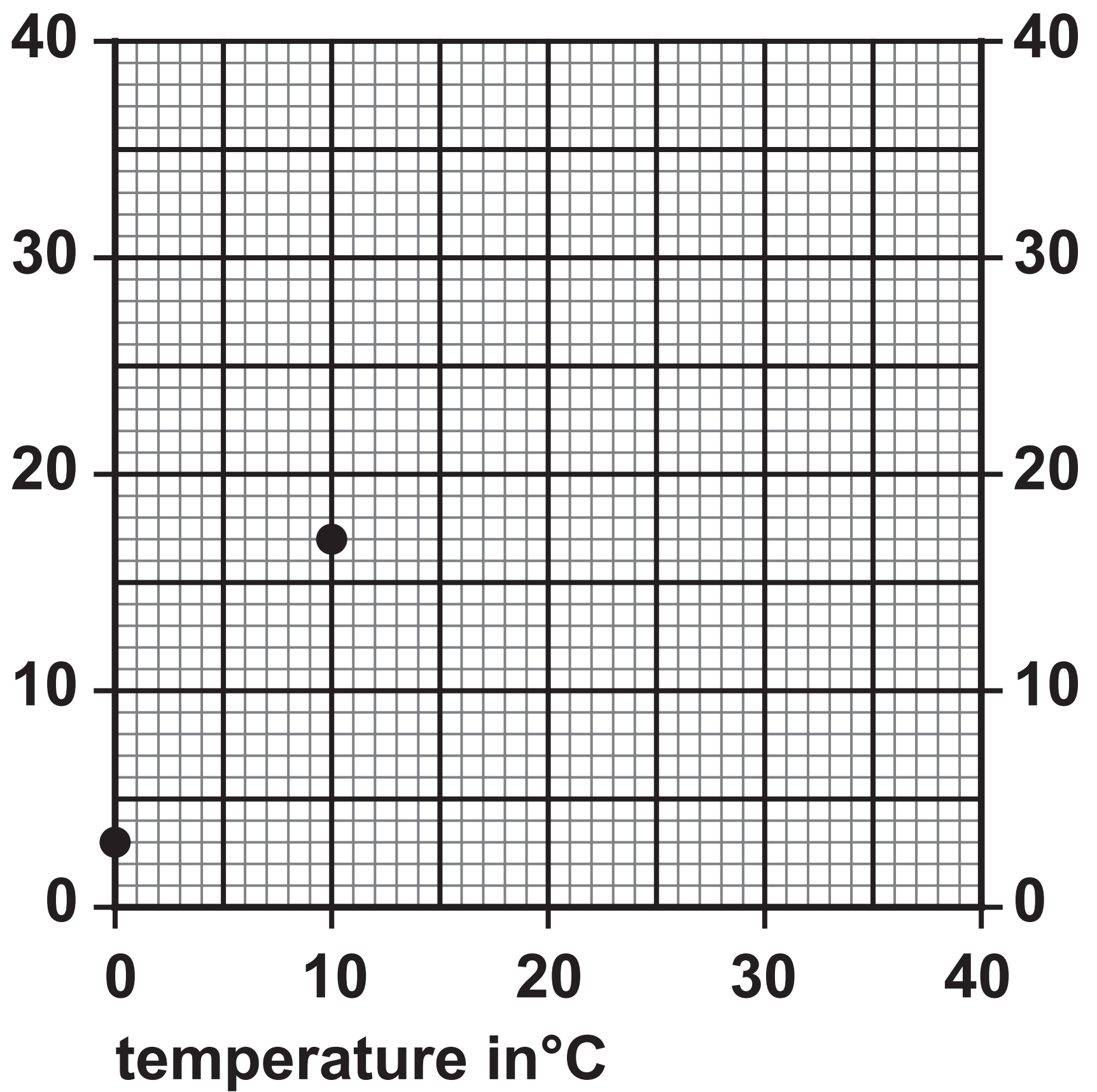
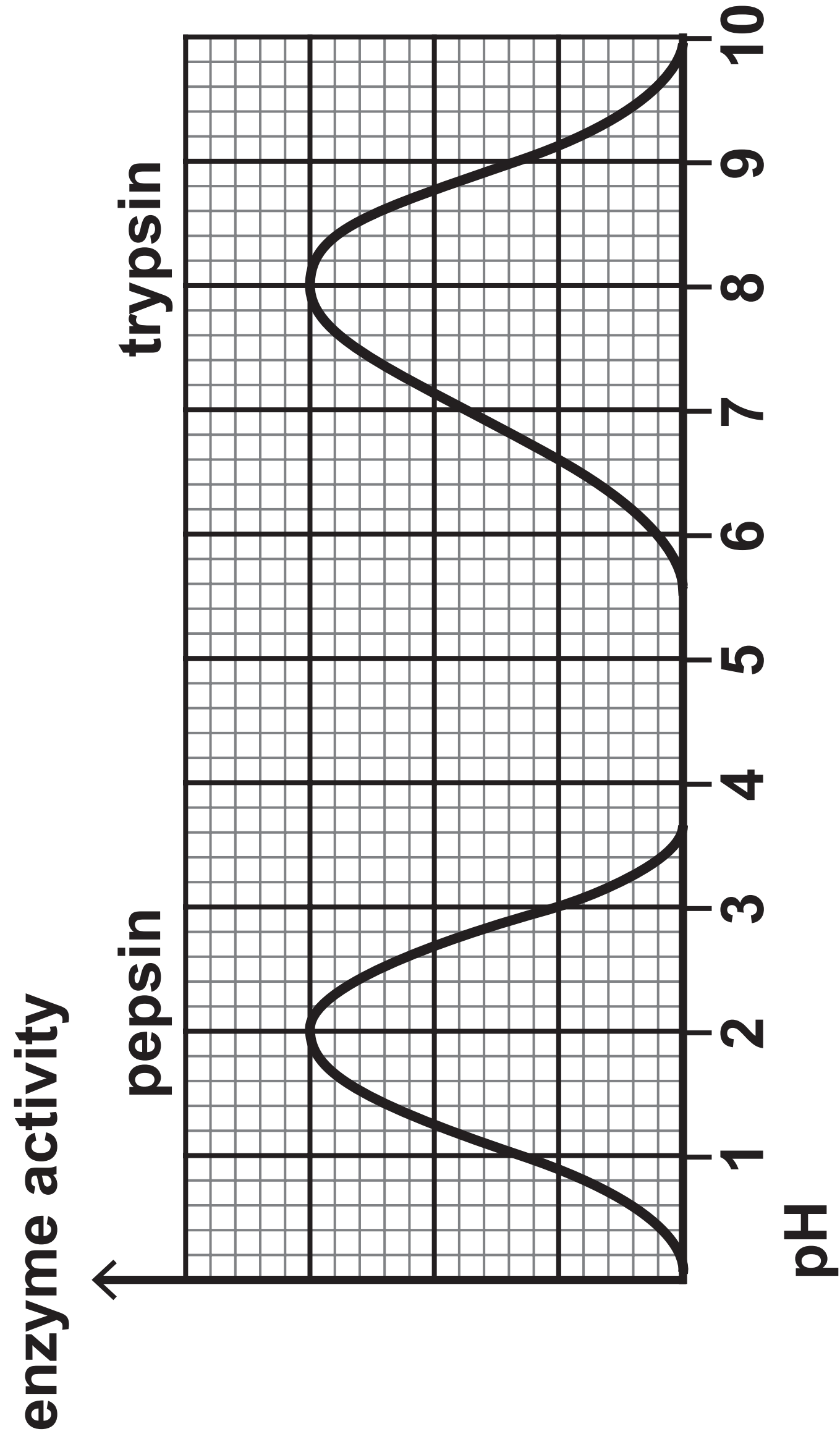


FIGURE 8

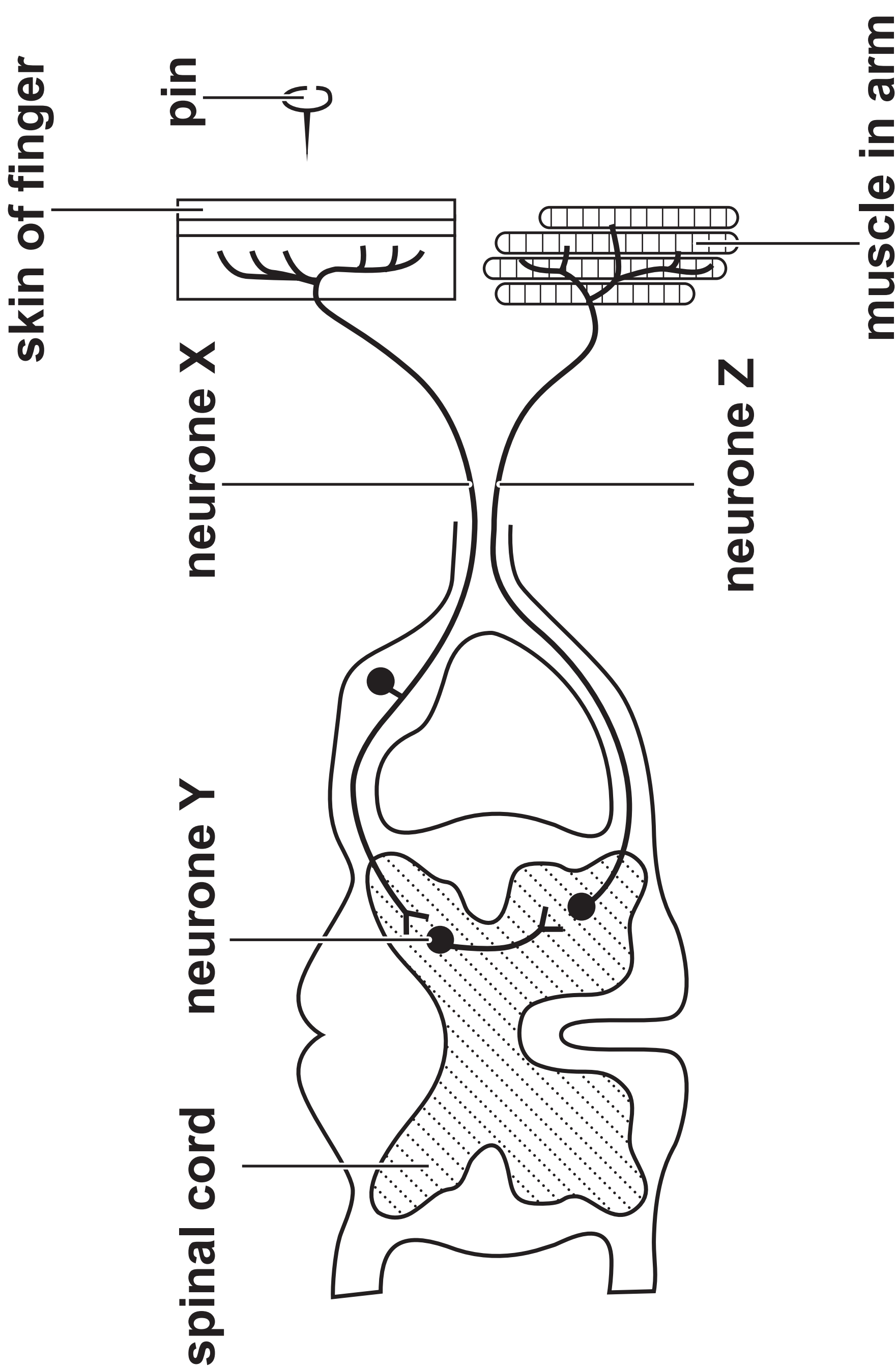


Question 6(b)

FIGURE 9

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

FIGURE 10



## Question 1(b)

**body defence**

**hydrochloric  
acid**

**skin**

**function**

**moves pathogens  
away from the lungs**

**makes antibodies**

**destroys pathogens  
in the stomach**

**makes antigens**

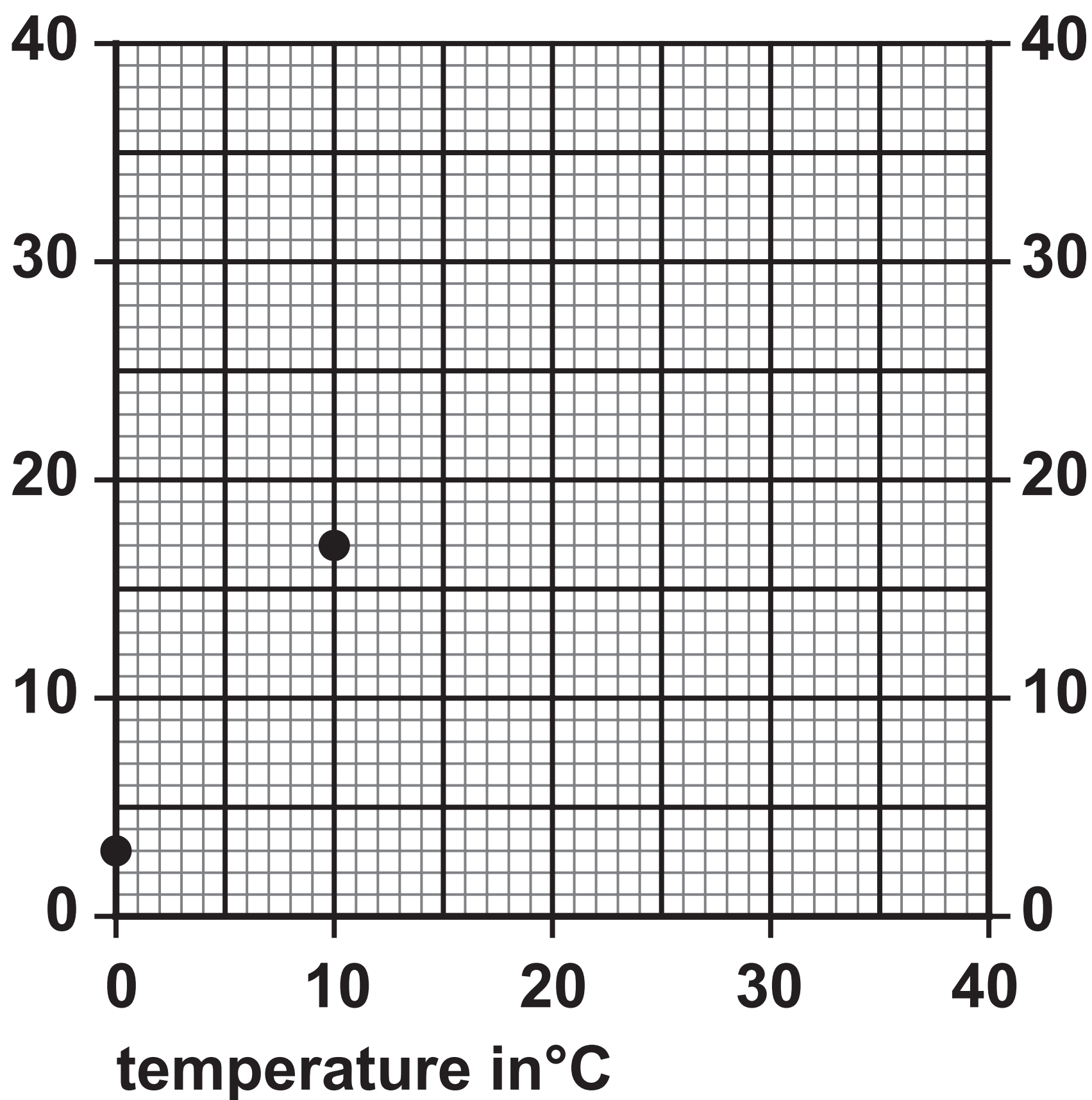
**stops pathogens  
entering the body**

Question 3(c)

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

## Question 5(a)

rate of reaction in mg  
per minute



### **Question 3**

**(Source: © Jamil Bin Mat Isa/Shutterstock)**

**(Source: © Tsekhmister/Shutterstock)**

### **Question 4(d)**

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**(Source adapted from: © Eduardo Estellez/  
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