

Paper Reference(s) 4HB1/01
Pearson Edexcel International GCSE (9–1)

Human Biology
UNIT: 4HB1
PAPER: 01

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.**

Contents

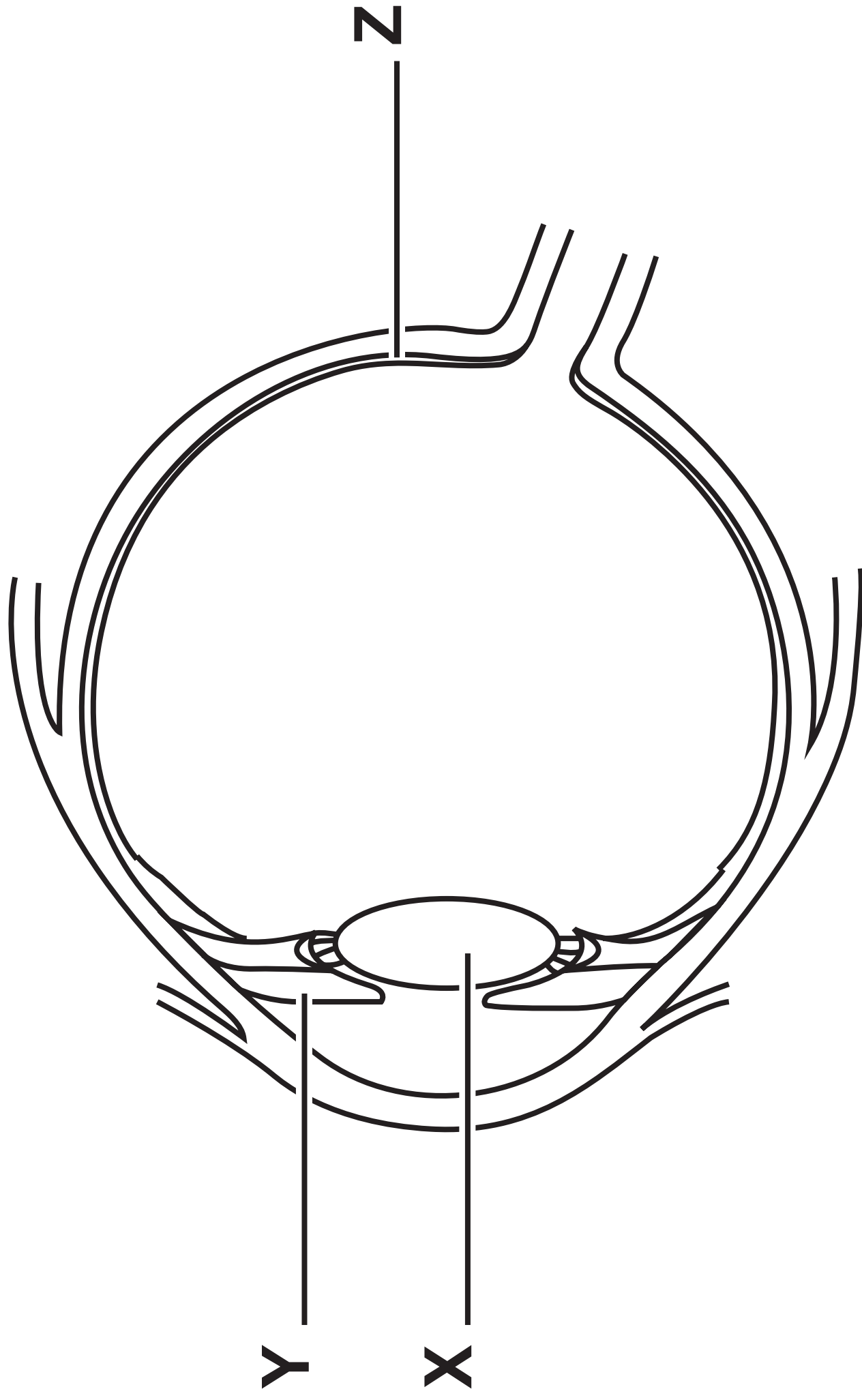
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Spare copies

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Question 1(a)

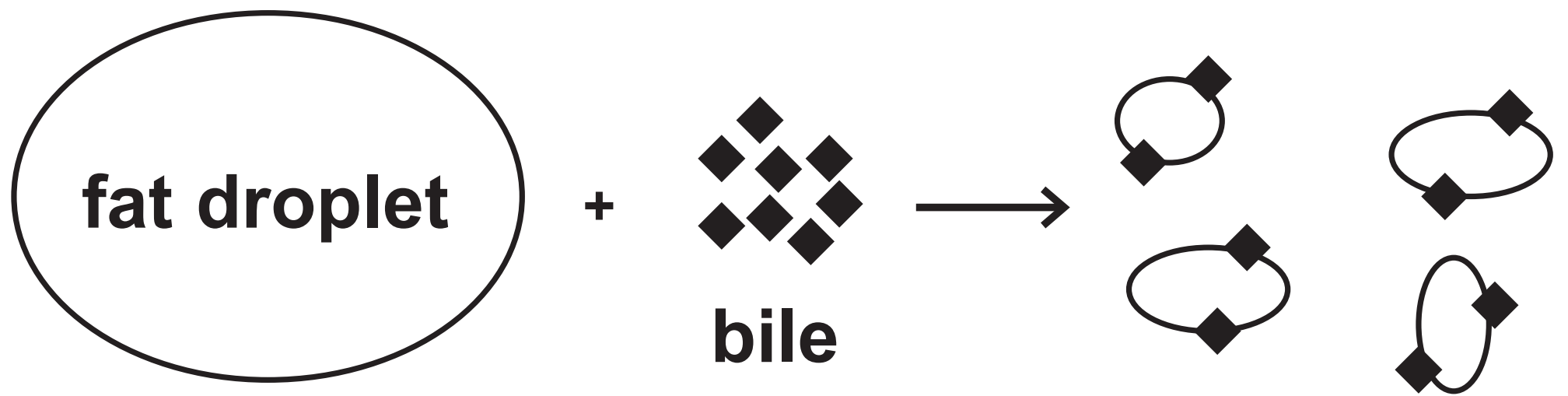


Question 2(b)(i)

sperm

egg

Question 3(a)

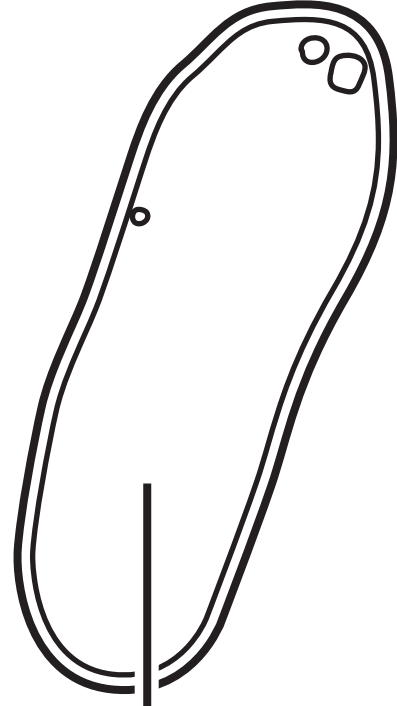


Question 3(b)

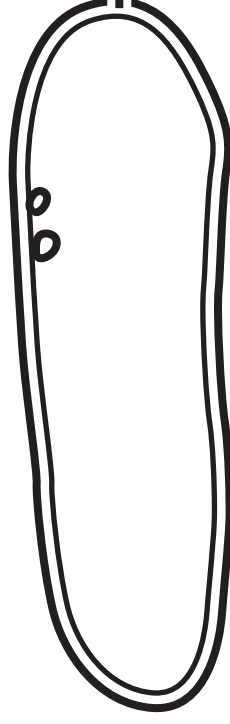
Reagent used	Colour of the food solution after the test
iodine solution	blue / black
biuret solution	purple
Benedict's solution	blue

Question 4(a)

Magnification $\times 60,000$



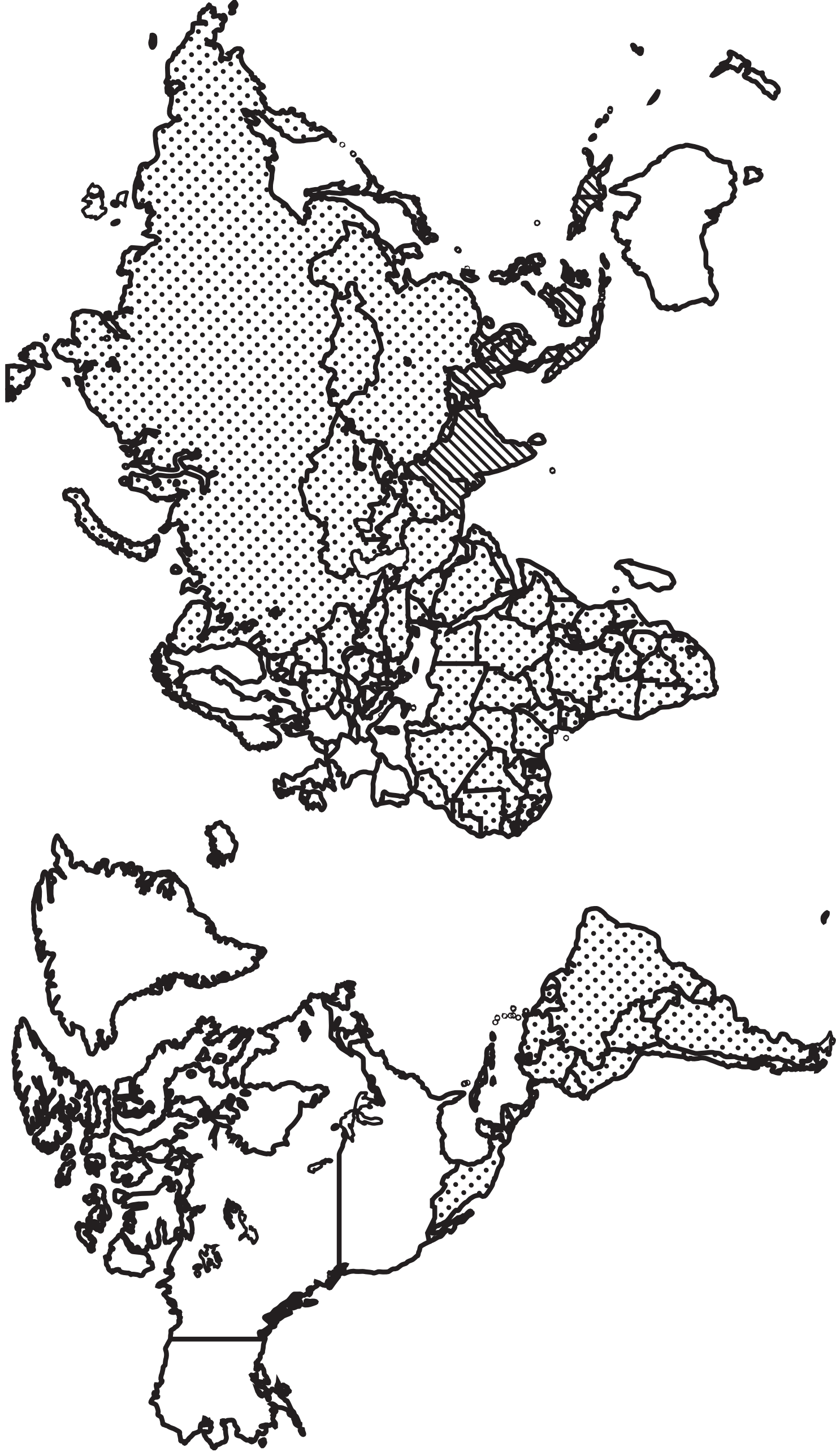
bacterium X



cell structure Y

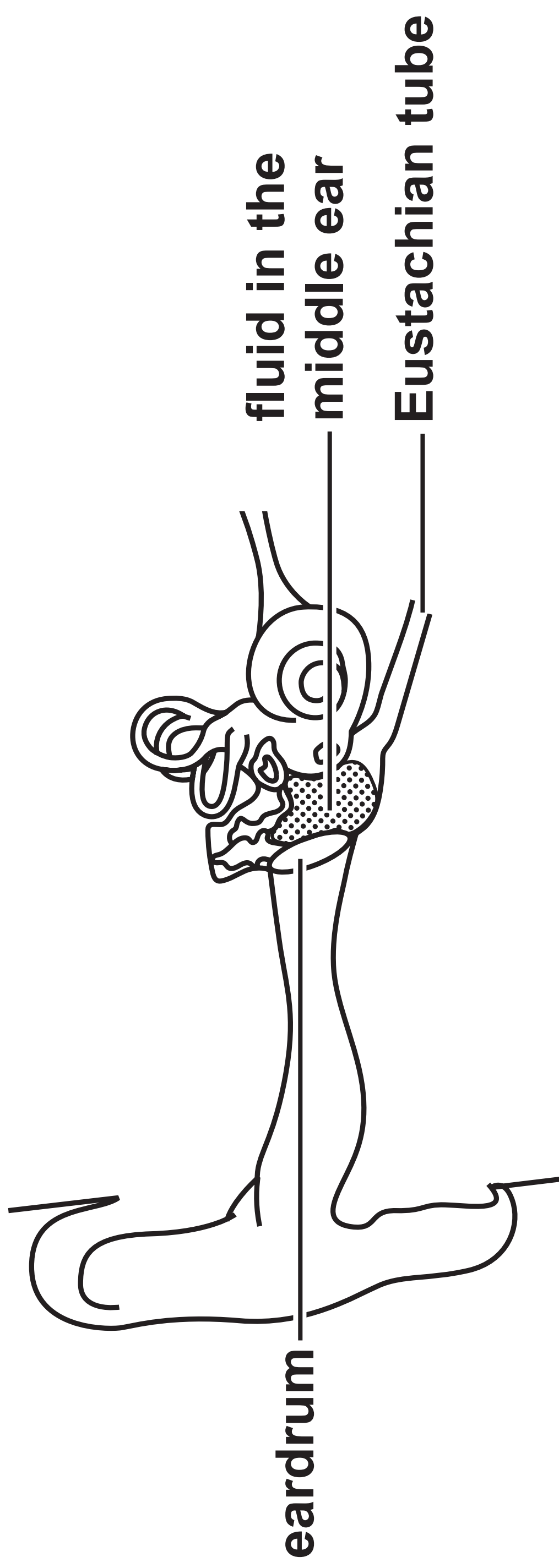
Question 4(c)

-  High level
-  Medium level
-  Low level



Question 5(b)

10

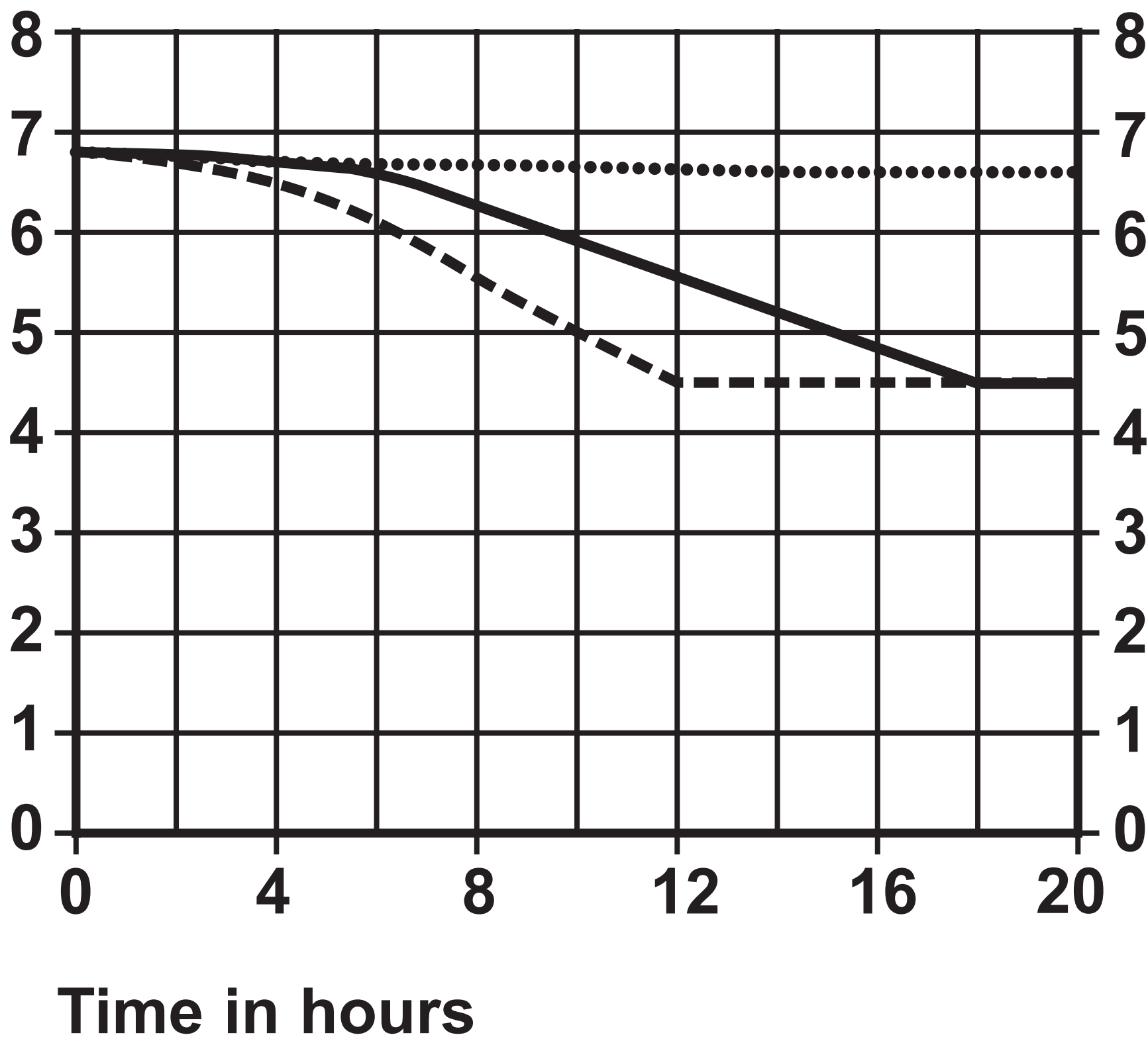


Question 6

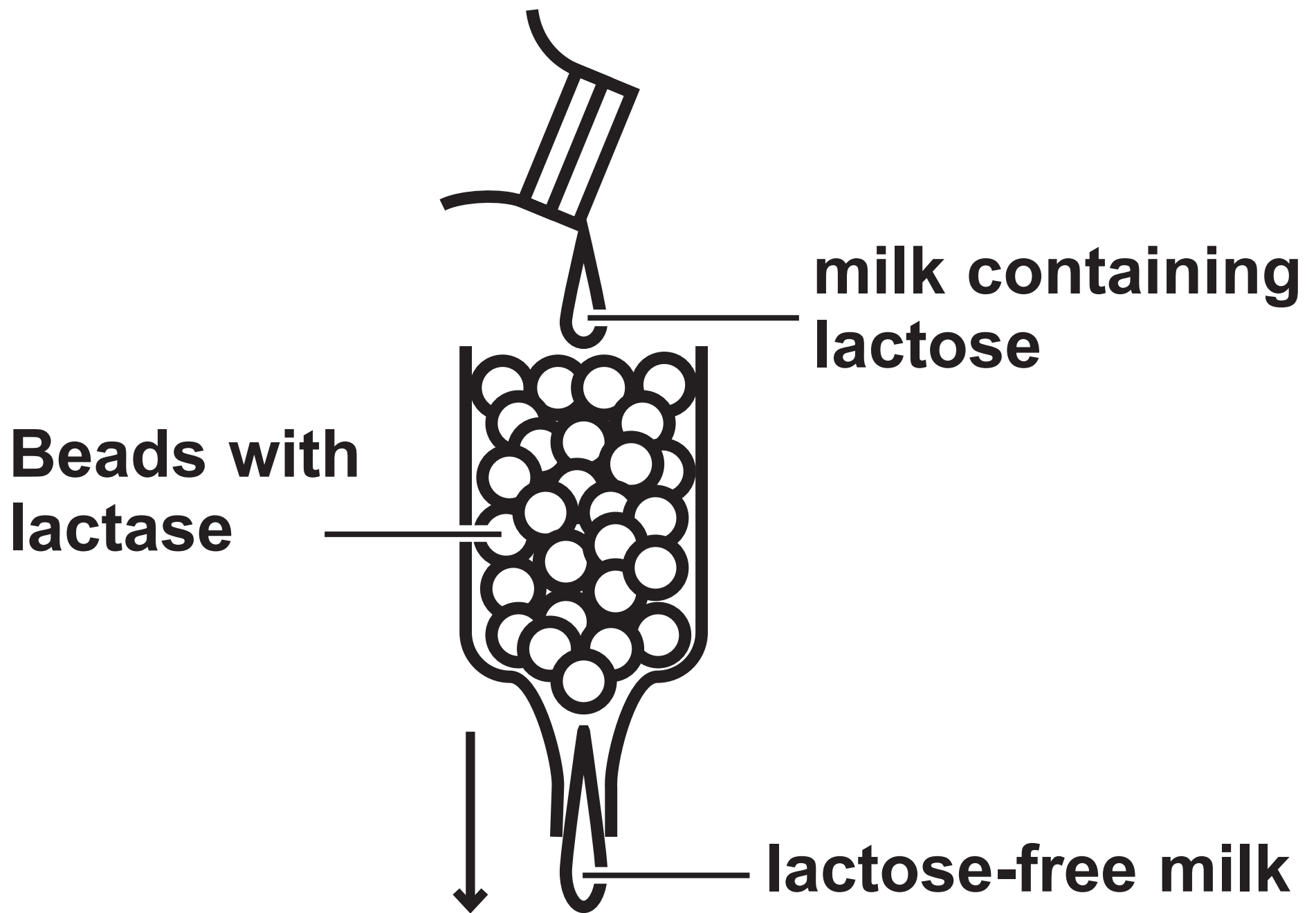
KEY

- 60 °C
- - - 40 °C
- 20 °C

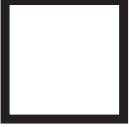



pH

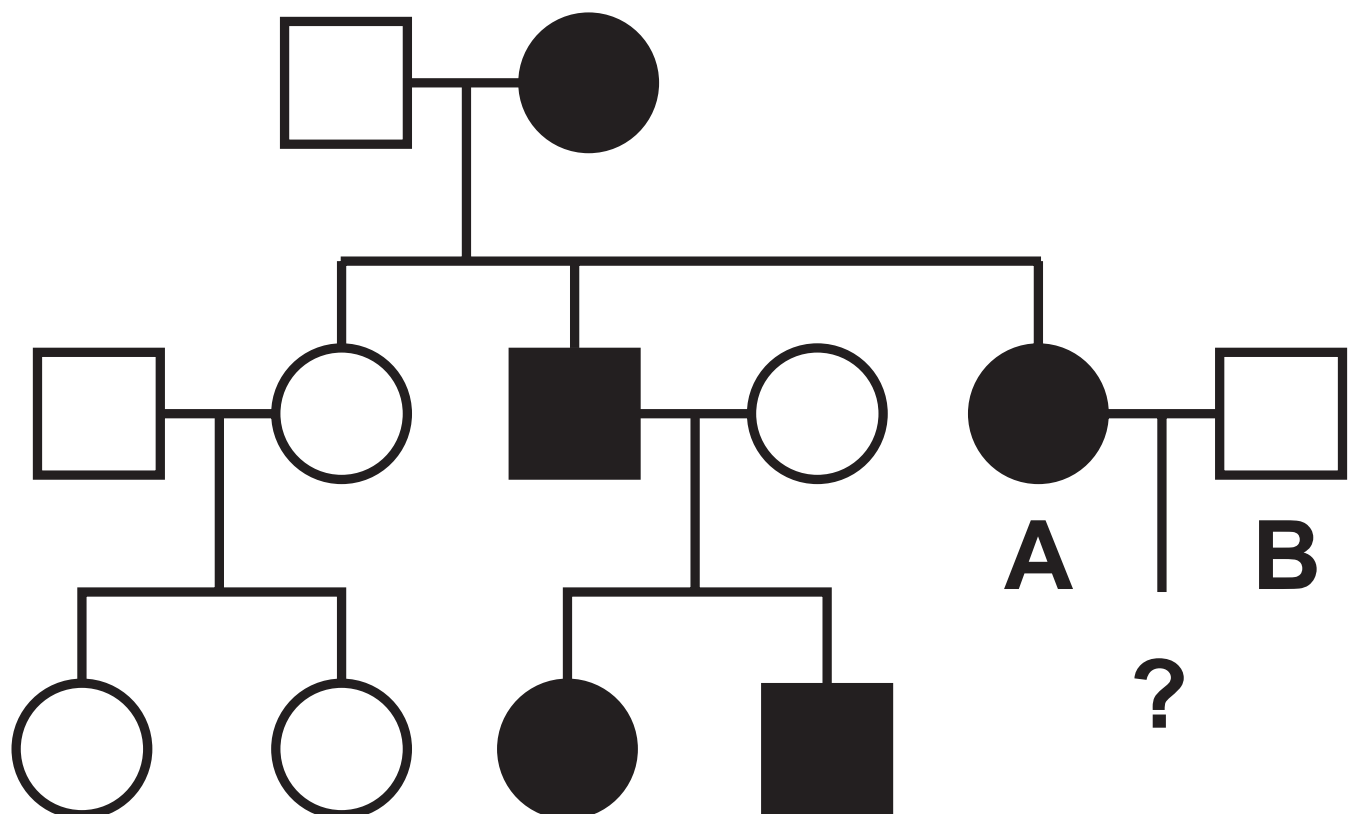


Question 6(c)



Question 7(c)**KEY**

-  **unaffected male**
-  **affected male**
-  **unaffected female**
-  **affected female**

1st generation**2nd generation****3rd generation**

Question 7(c)(ii)

Question 2(b)(i)

sperm

egg

Question 7(c)(ii)
