

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

Biology
PAPER 2
Higher Tier

Friday 9 June 2023 – Afternoon

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

Page

4–5 Question 1(a)

6 Question 1(b)

7 Question 2(a)

8 Question 3(c)

9–10 Question 3(c)(ii)

11 Question 4(a)

12 Question 4(b)

13 Question 5

14 Question 5(b)

15 Question 6(a)

16 Question 7

17 Question 7(c)

18 Question 7(c)(i)

19 Question 8(a)

20 Question 9(a)

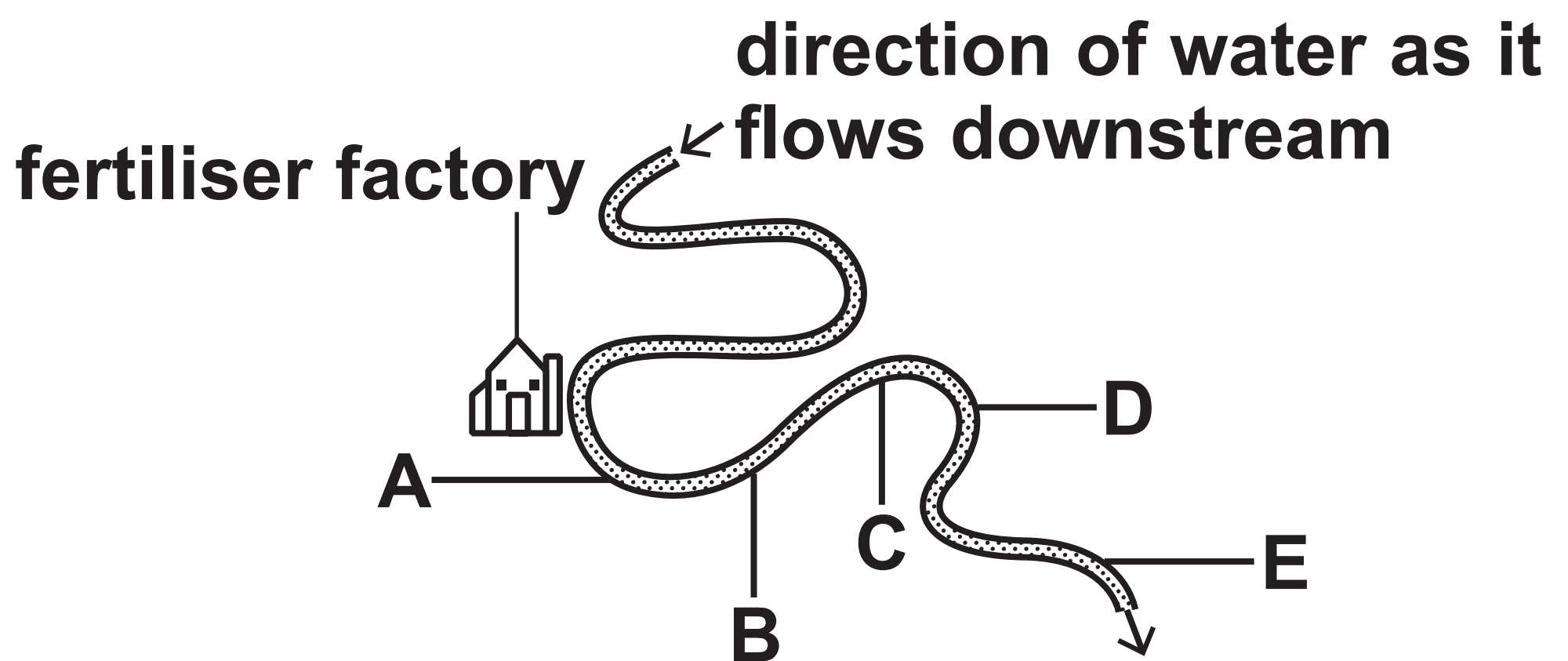
21 Question 10

Spare Copies

22 Question 7(c)(i)

Question 1(a)

FIGURE 1



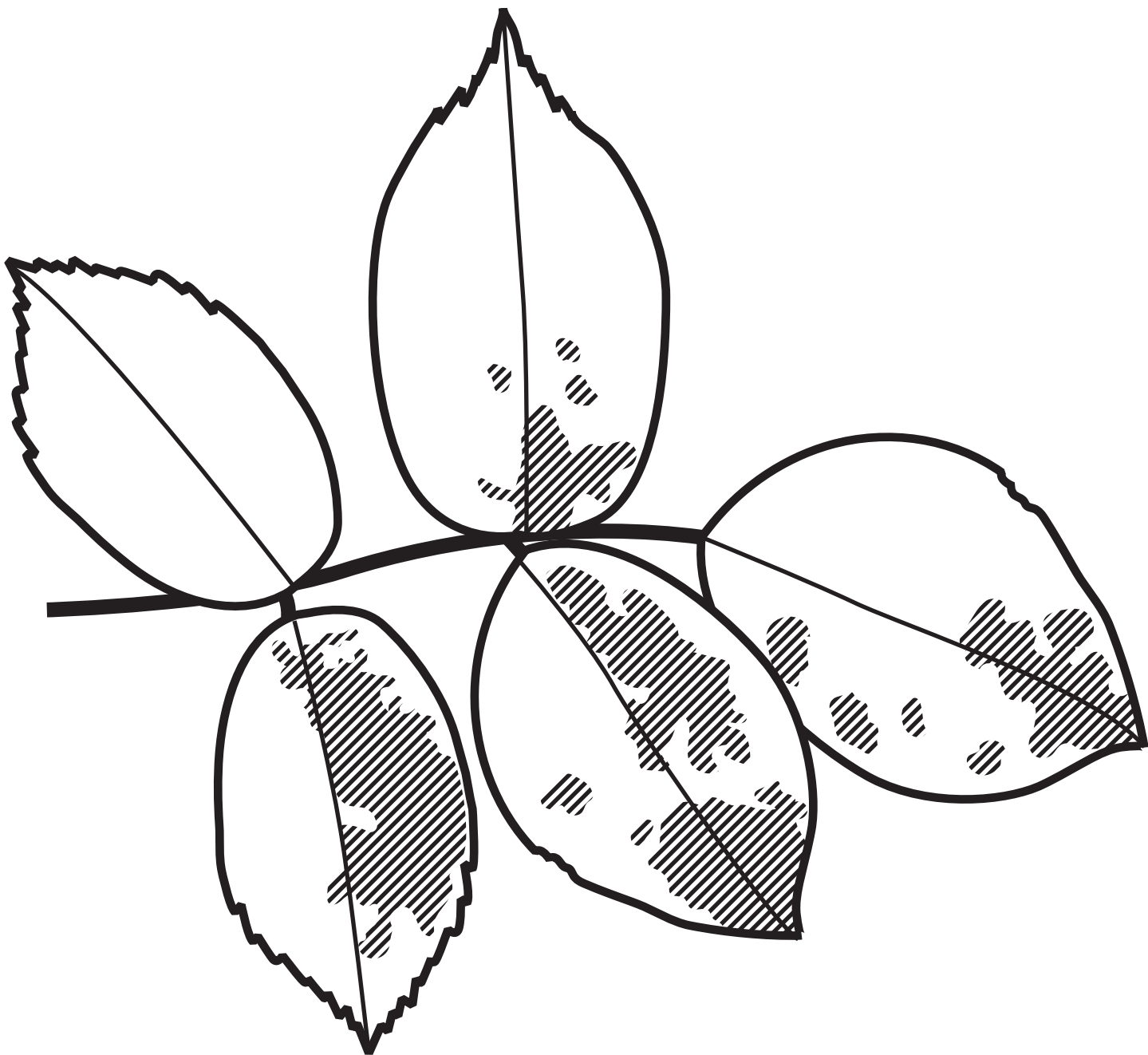
(continued on the next page)

FIGURE 2

point along stream	oxygen concentration (ppm)
A	1·5
B	2·7
C	3·4
D	4·4
E	4·5

Question 1(b)

FIGURE 3



Question 2(a)

FIGURE 4

KEY

—— person with diabetes

----- person who does not have diabetes

concentration of glucose
in blood in mmol per dm^3

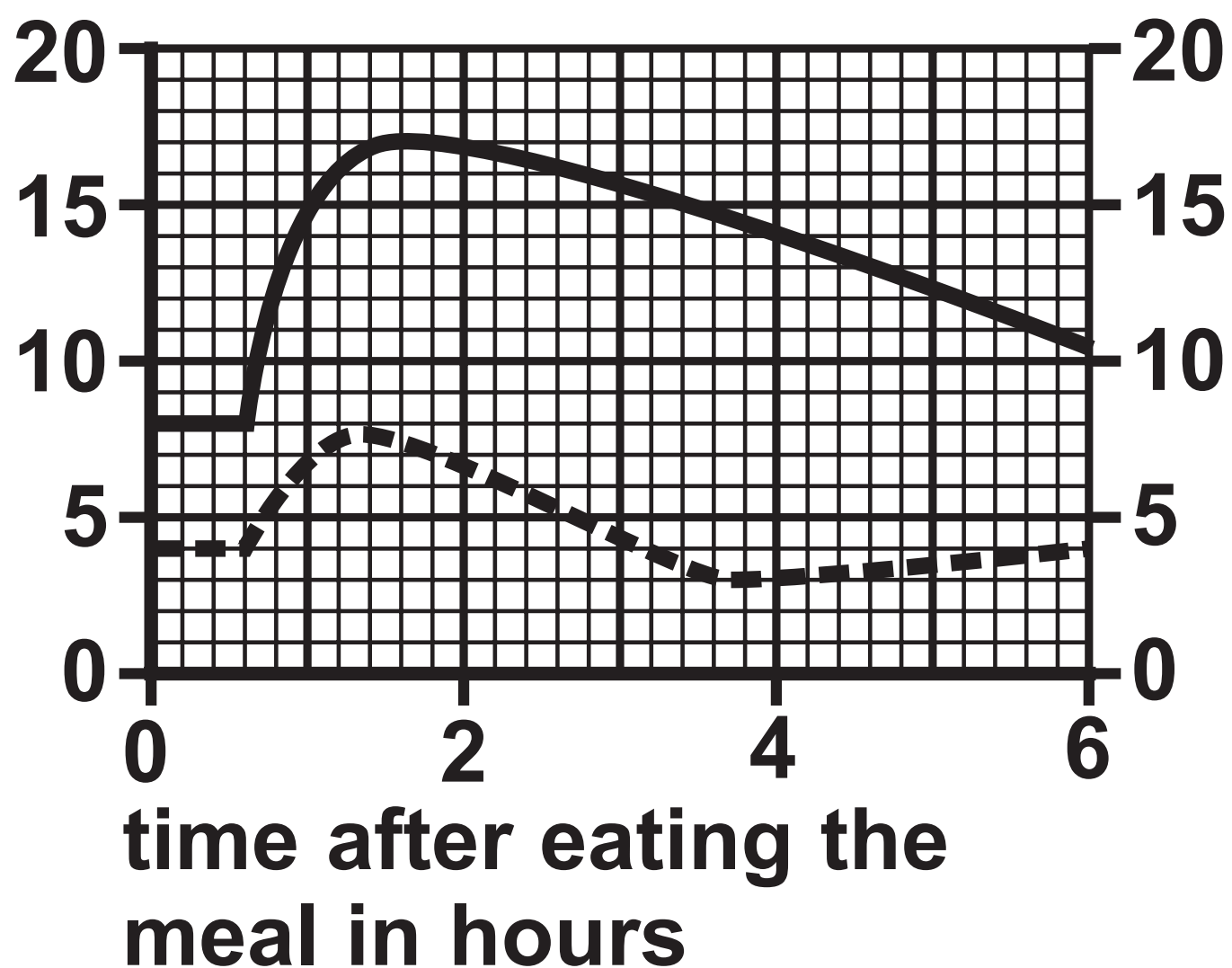
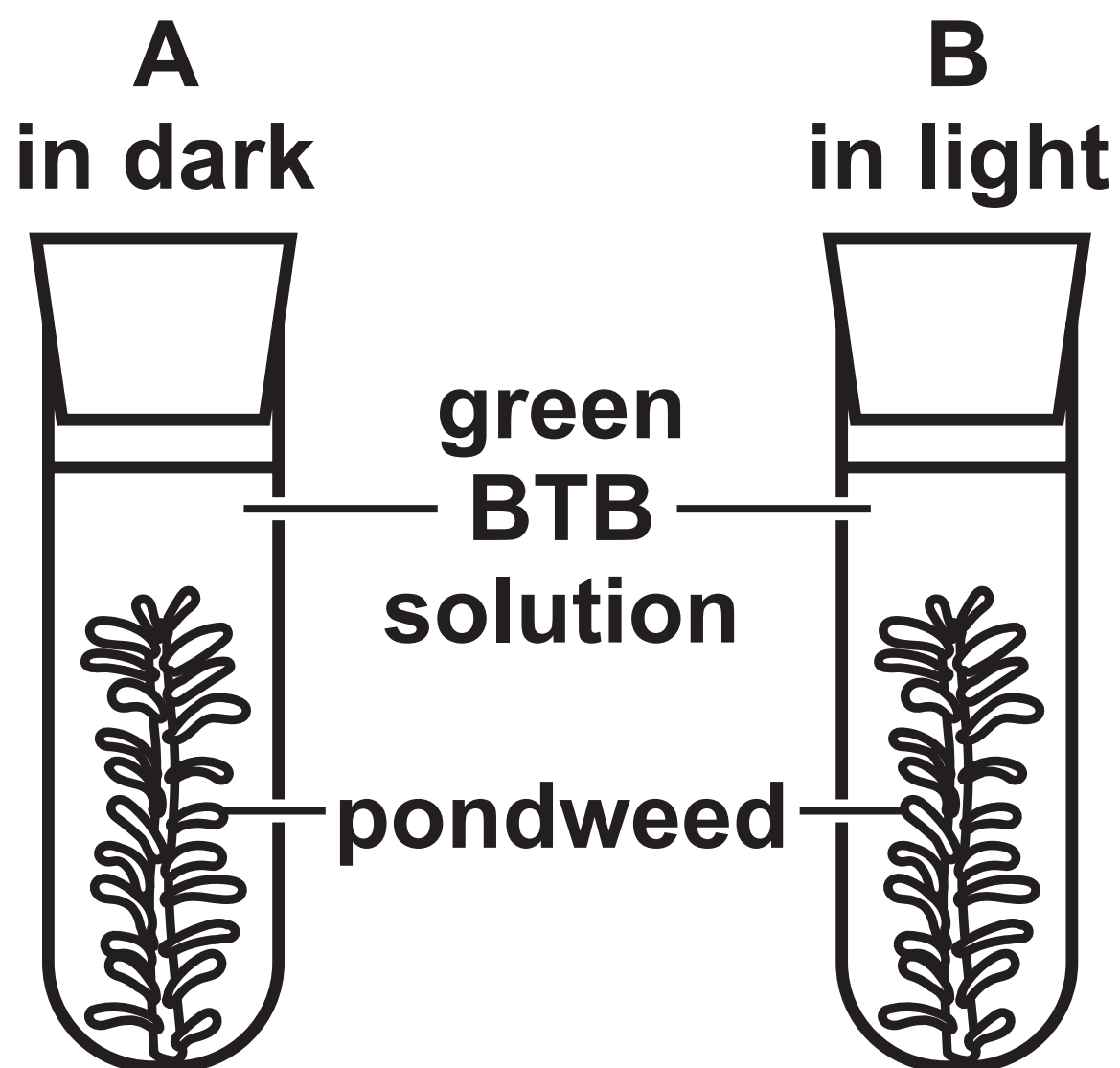


FIGURE 5

pH	4	5	6	7 (neutral)	8
colour	yellow	yellowy green	light green	green	blue

Question 3(c)(ii)**FIGURE 6**

(continued on the next page)

Question 3(c)(ii) continued.

FIGURE 7

Tube A (in dark)	Tube B (in light)
yellowy green	green

FIGURE 8

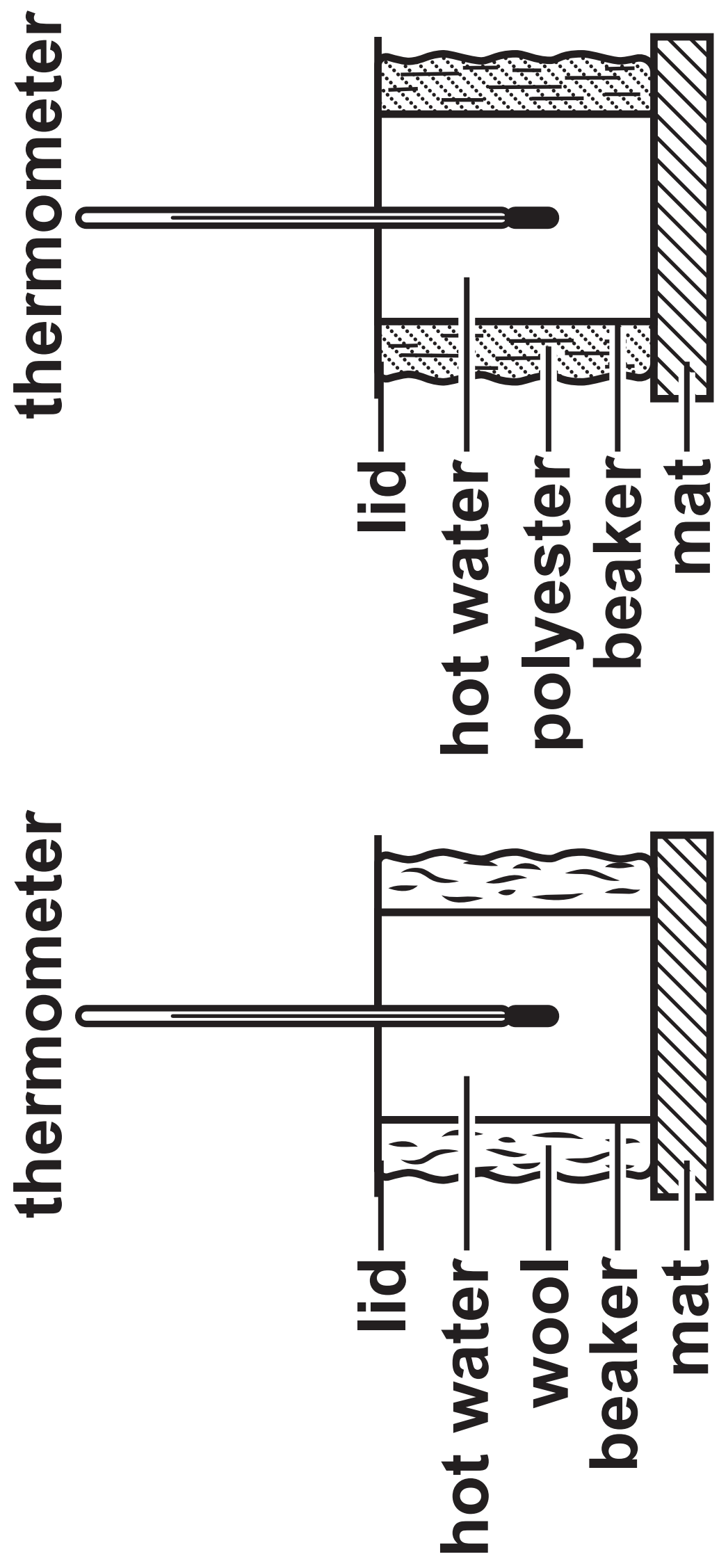


FIGURE 9

wool	
time in minutes	temperature in °C
0	64
2	61
4	56
6	53
8	49
10	45
12	42

polyester	
time in minutes	temperature in °C
0	82
2	74
4	68
6	63
8	59
10	53
12	48

Question 5

FIGURE 10

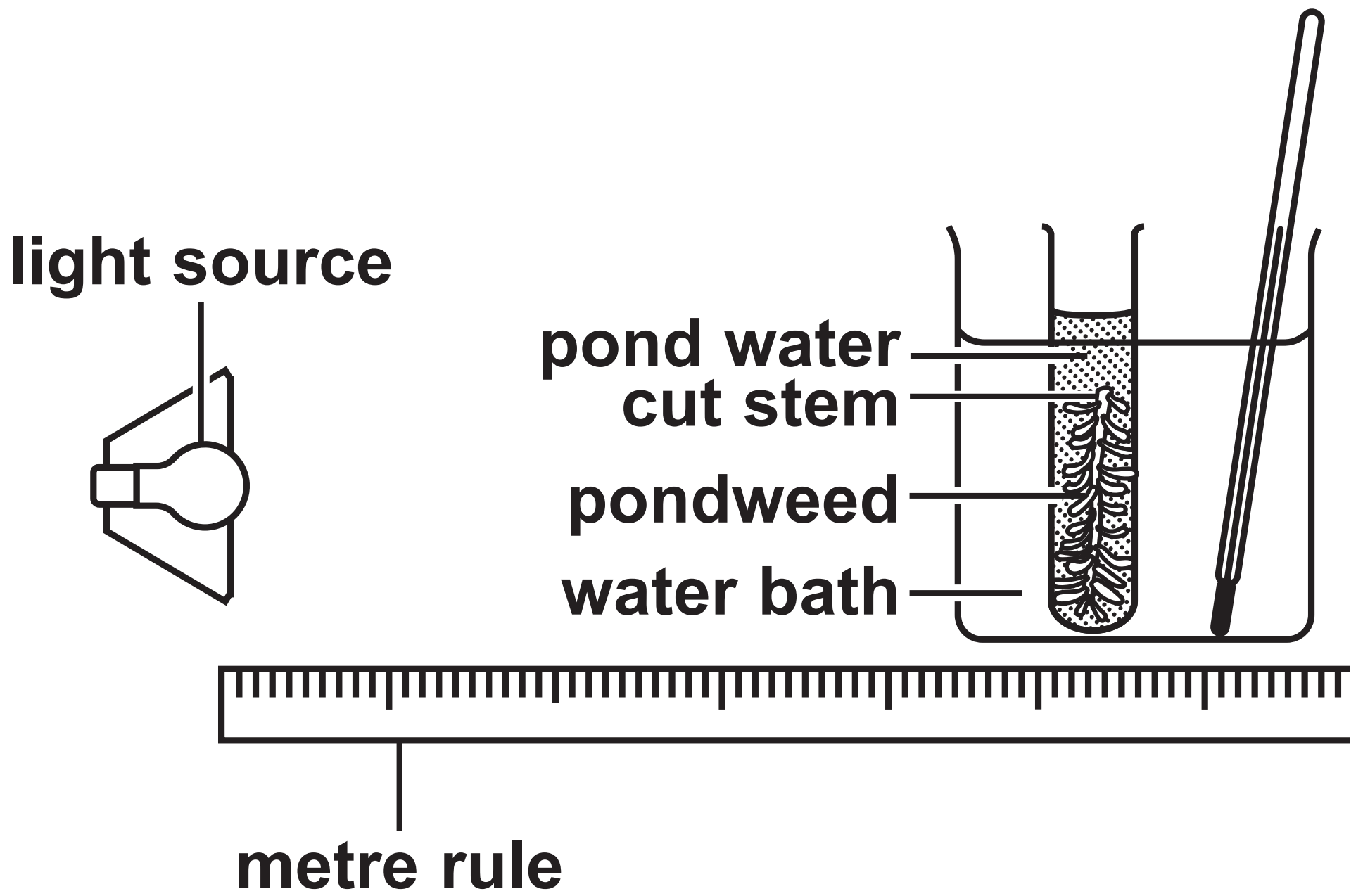


FIGURE 11

distance from the lamp in cm	number of bubbles in two minutes	light intensity in arbitrary units
5	62	0.04
10	60	0.01
15	43	0.0044
20	32	0.0025
25	11	?

FIGURE 12

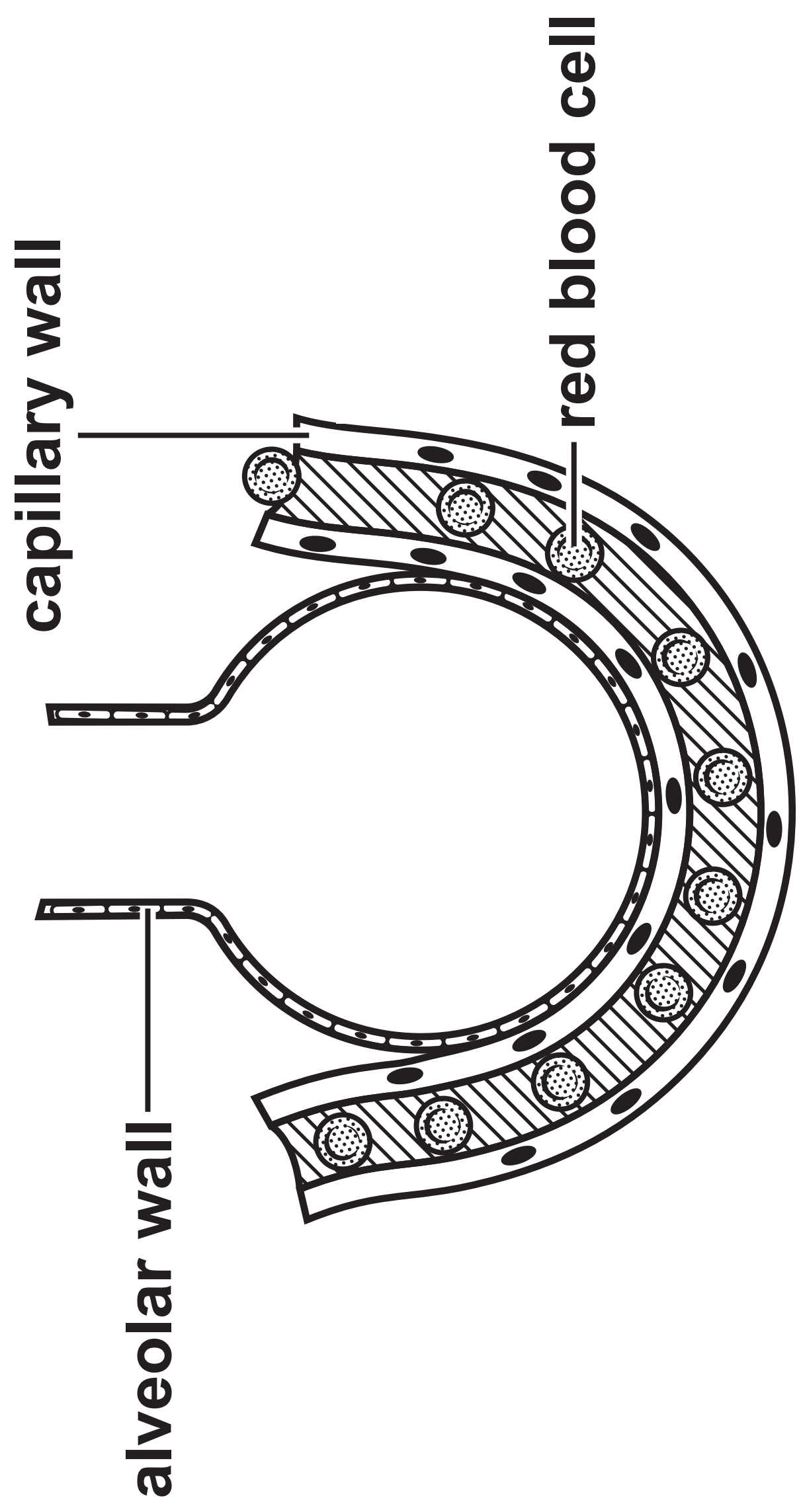
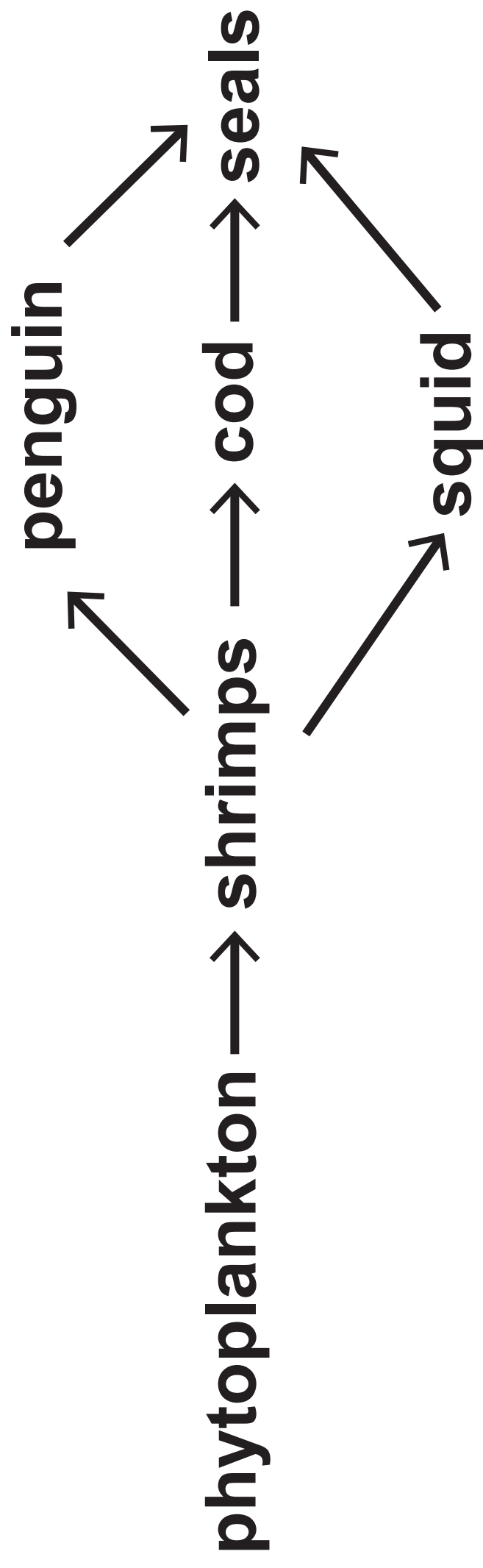


FIGURE 13



Question 7(c)

FIGURE 14

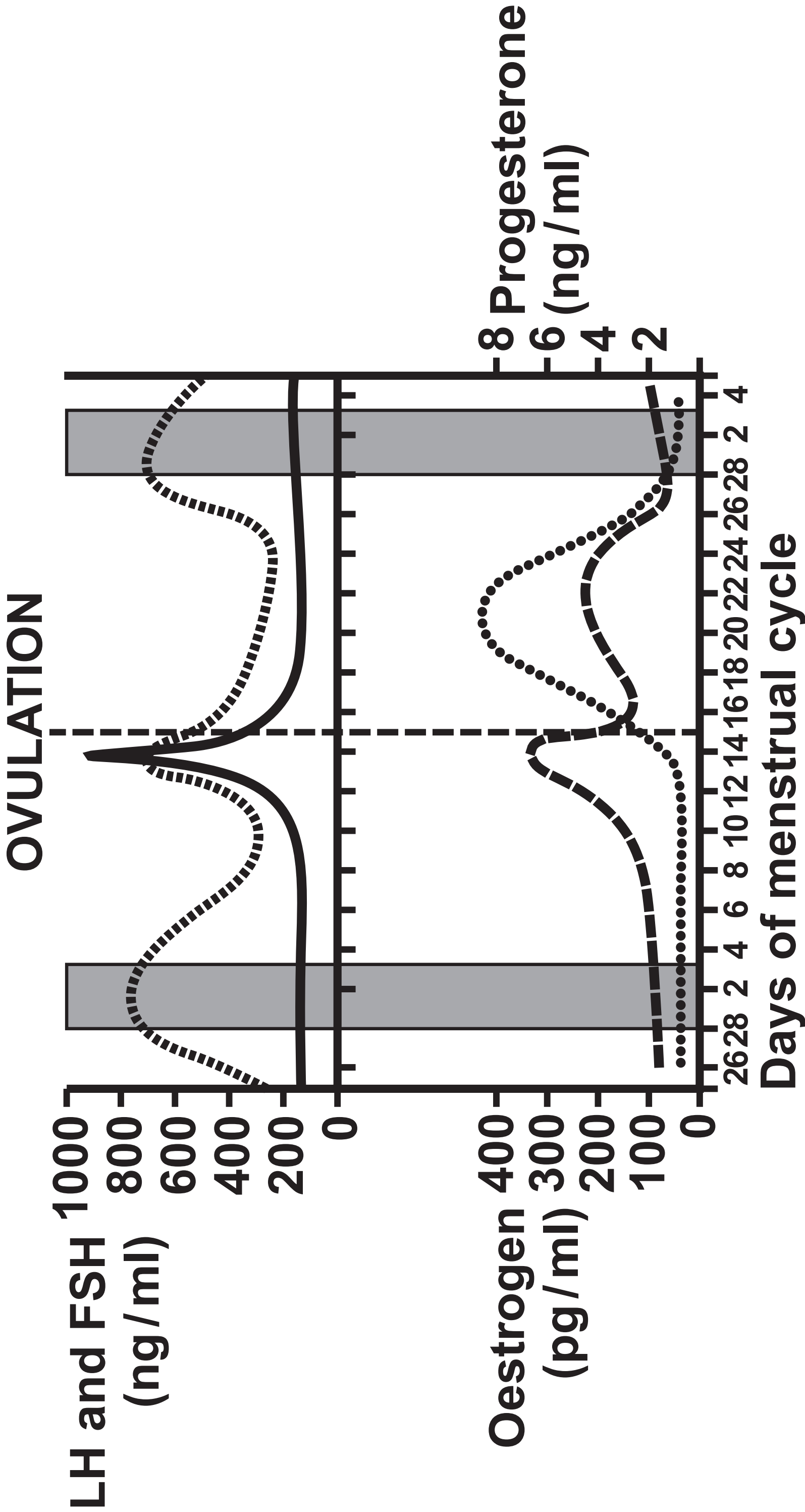
organism	biomass in tonnes
phytoplankton	200
shrimps	40
cod	10
seals	0.5

Question 7(c)(i)

[illegible]

KEY

— LH FSH progesterone --- oestrogen



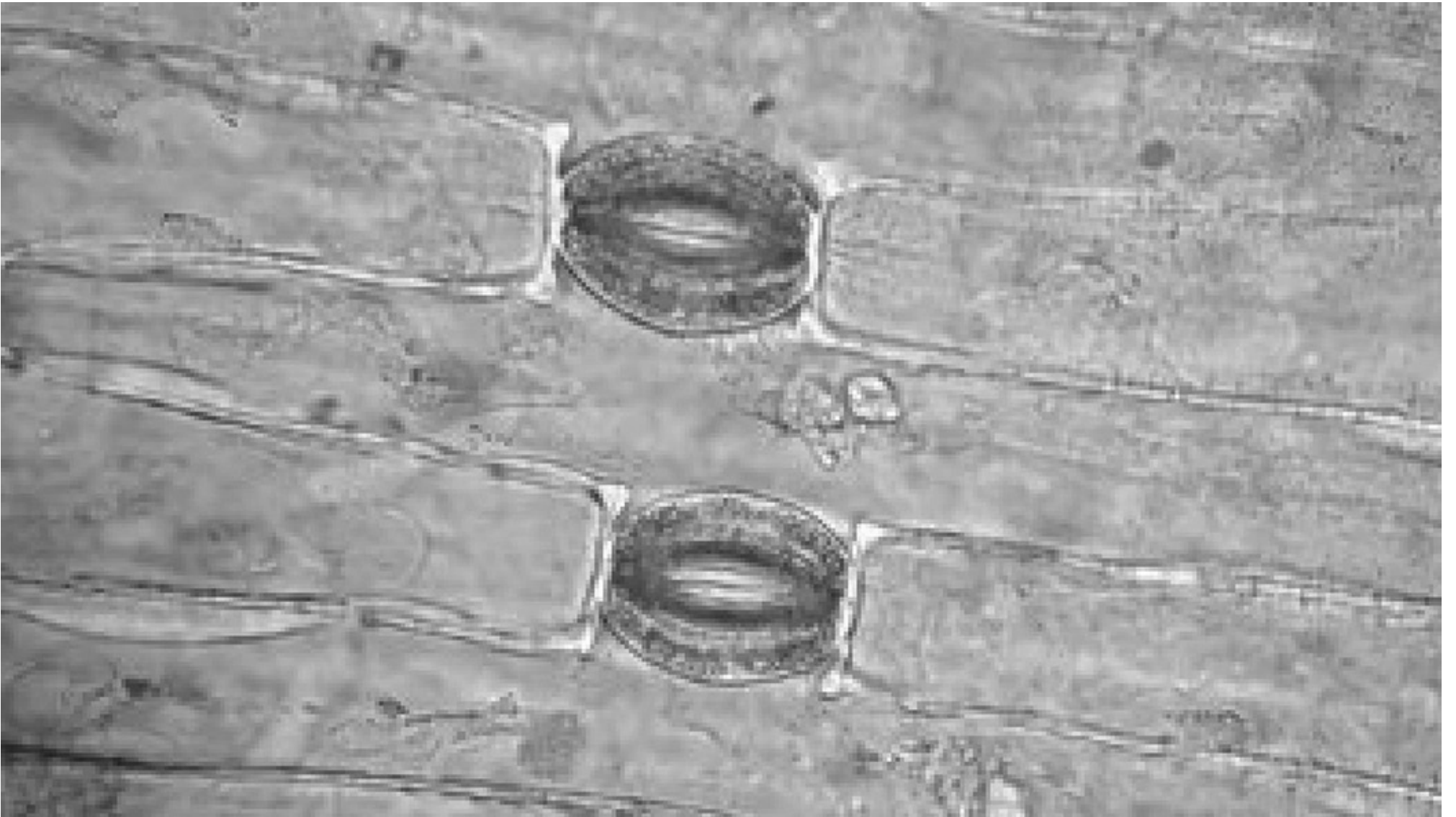
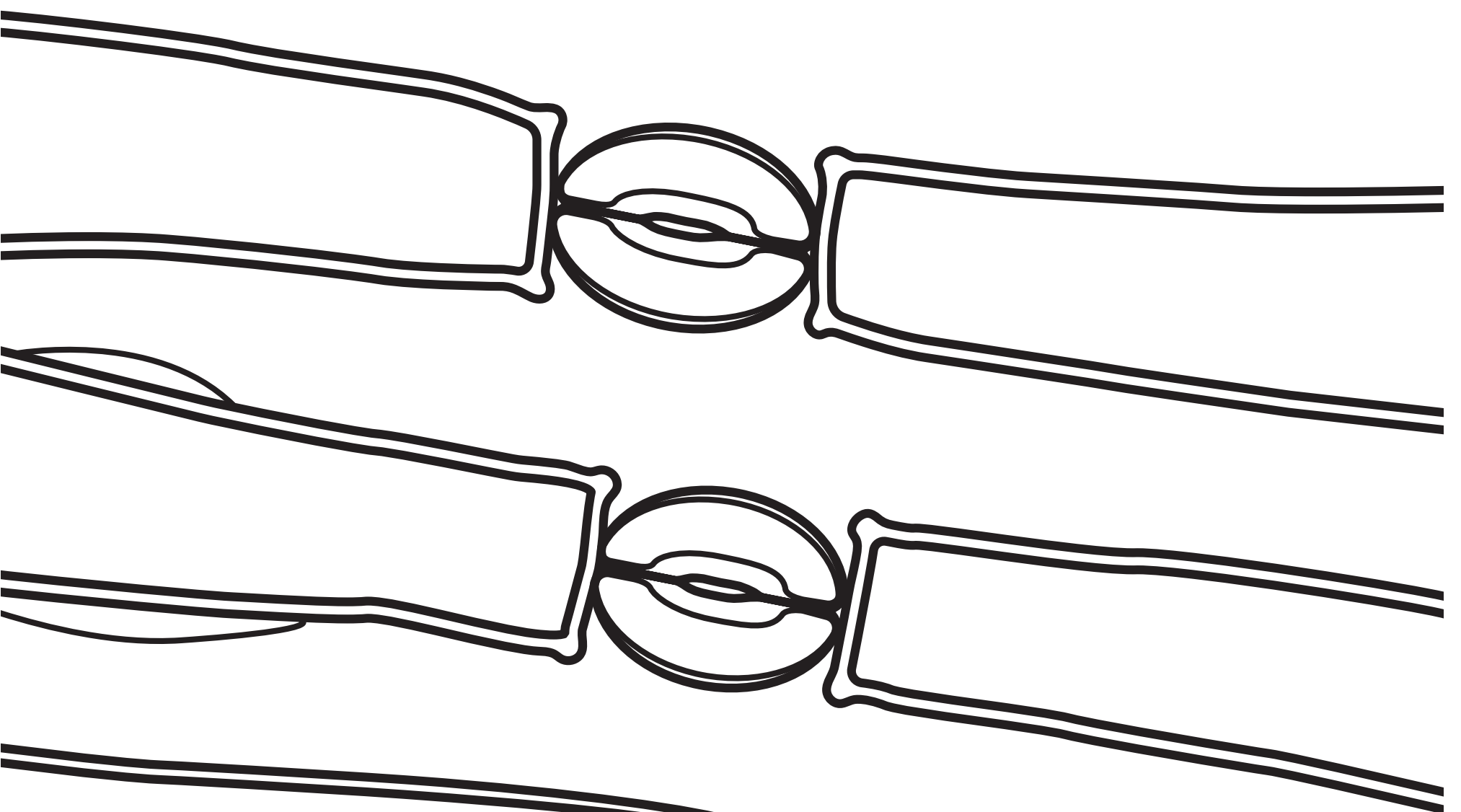
Question 9(a)**FIGURE 16****FIGURE 16 2D drawing**

FIGURE 17

molecule	diameter in nanometres (nm)
X	0·6
Y	1·0
Z	15

Question 7(c)(i)

[illegible]

SOURCE INFORMATION

Question 1(b)

**Source: adapted from © Manfred Ruckszio/
Shutterstock**

Question 6

**Source: adapted from sciencepics/
shutterstock**