

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.**

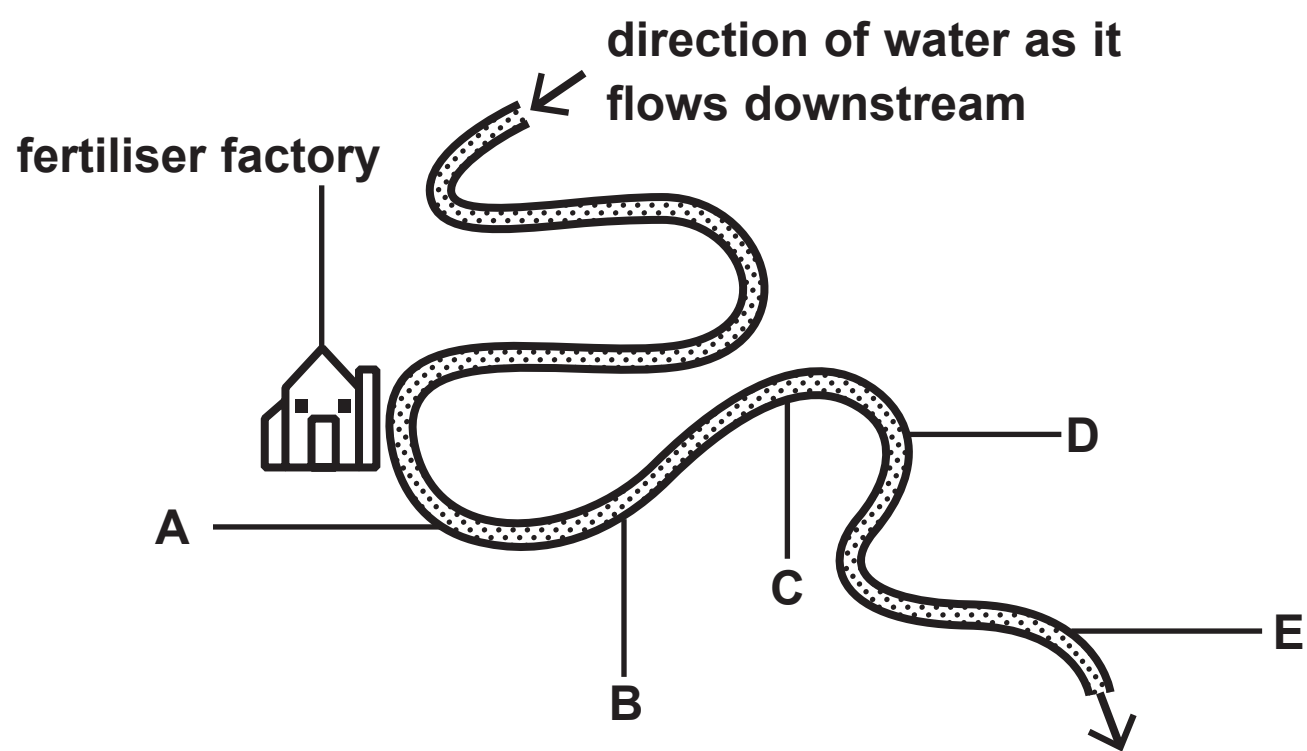
Contents

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(c)
16	Question 7
17	Question 7(c)
18	Question 7(c)(i)
19	Question 8
20	Question 9
21	Question 10
Spare Copies	
22	Question 7(c)(i)

Question 1(a)

FIGURE 1



(continued on the next page)

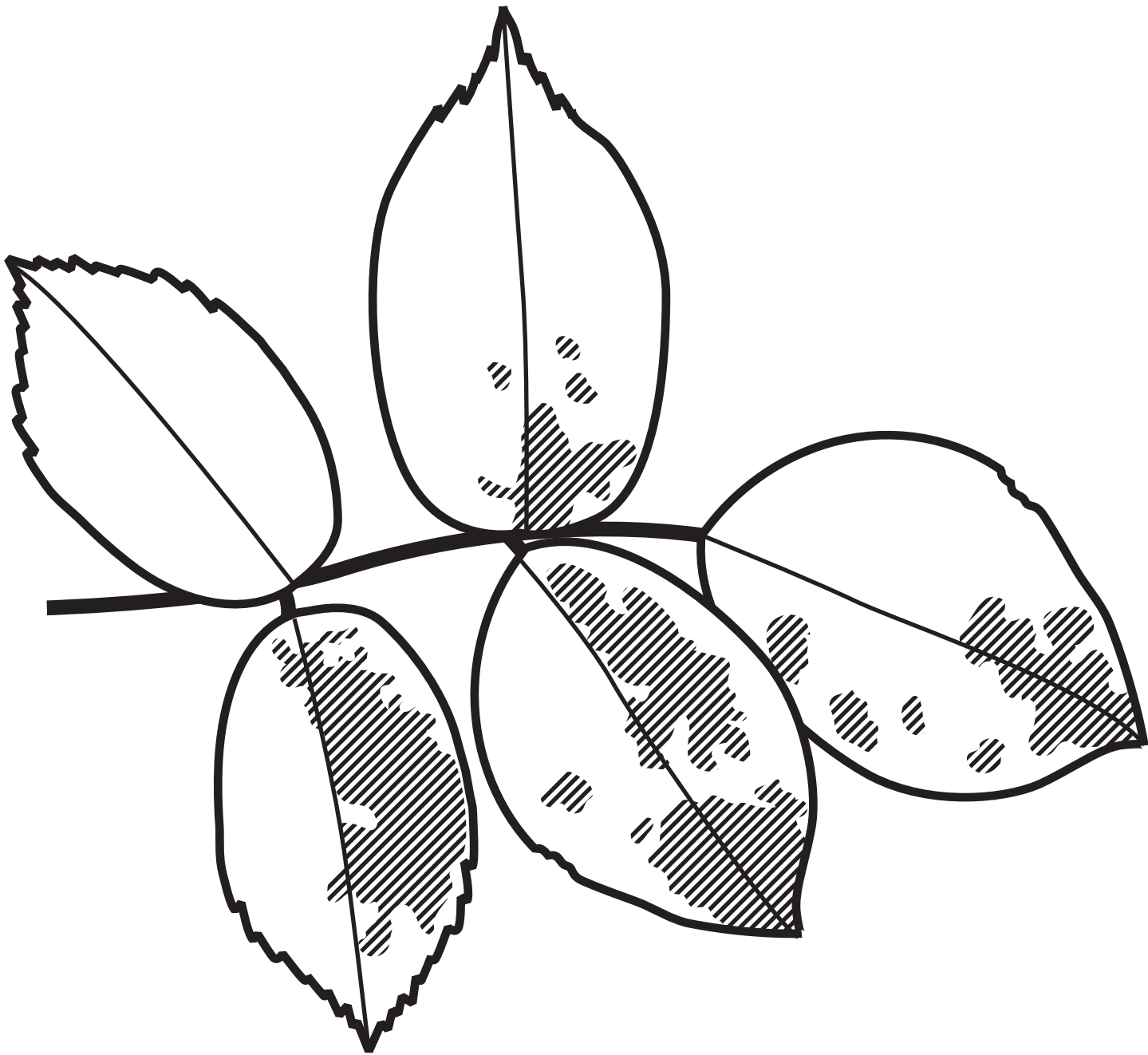
1(a) continued.

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 dm³

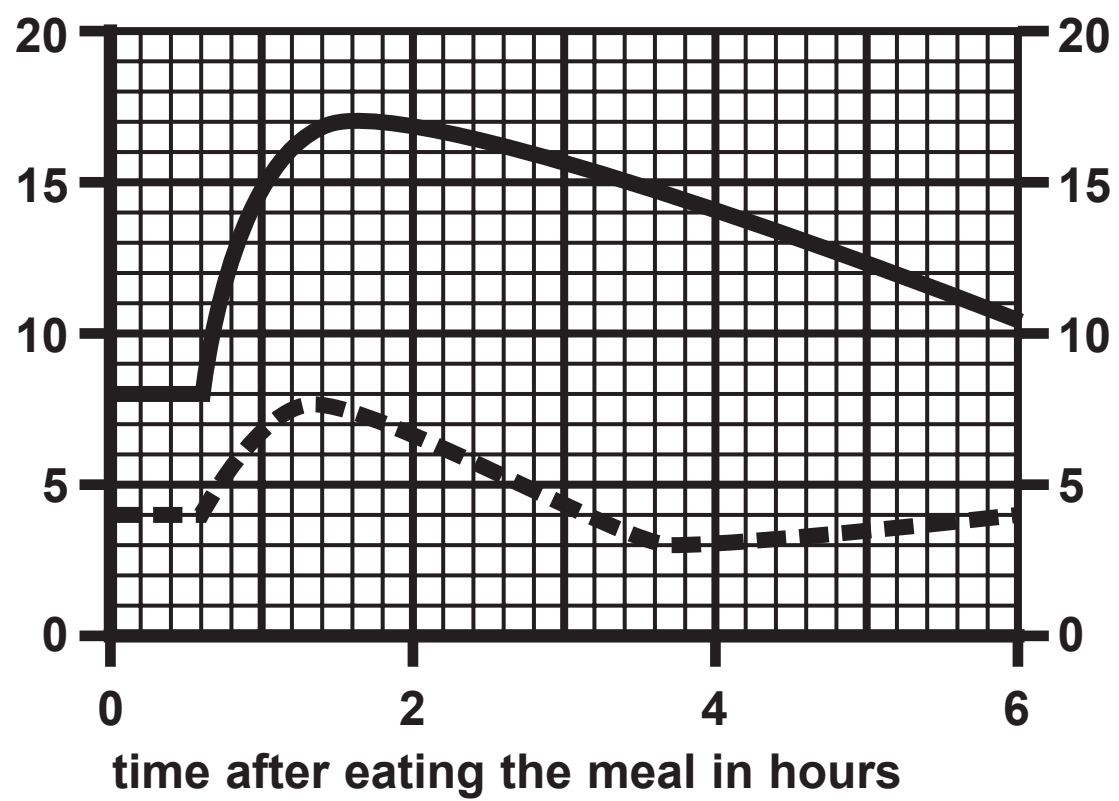
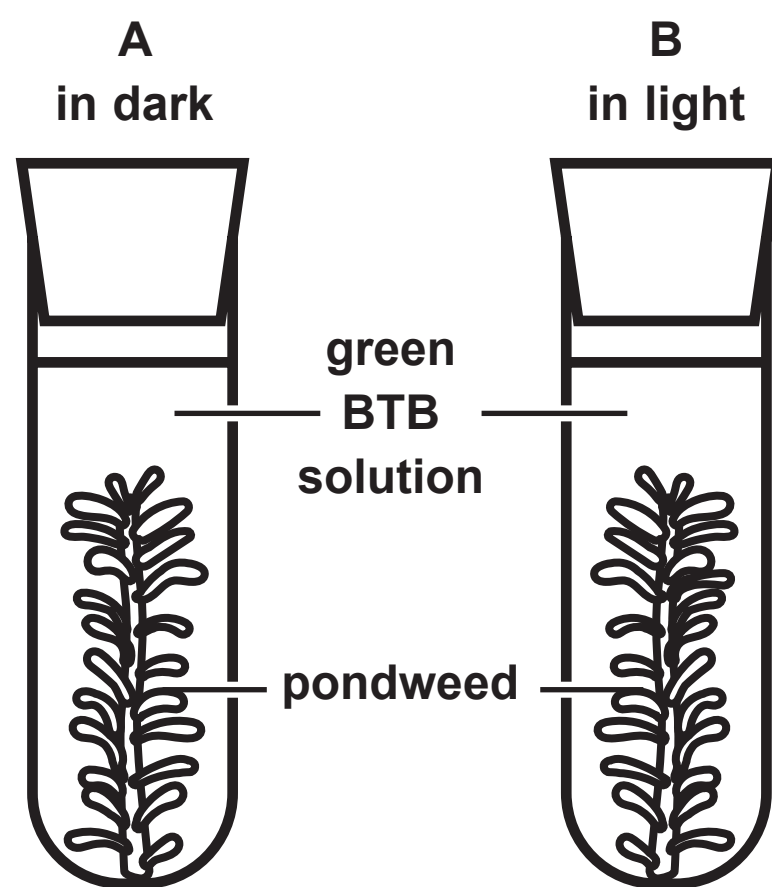


FIGURE 5

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

Question 4(a)

FIGURE 8

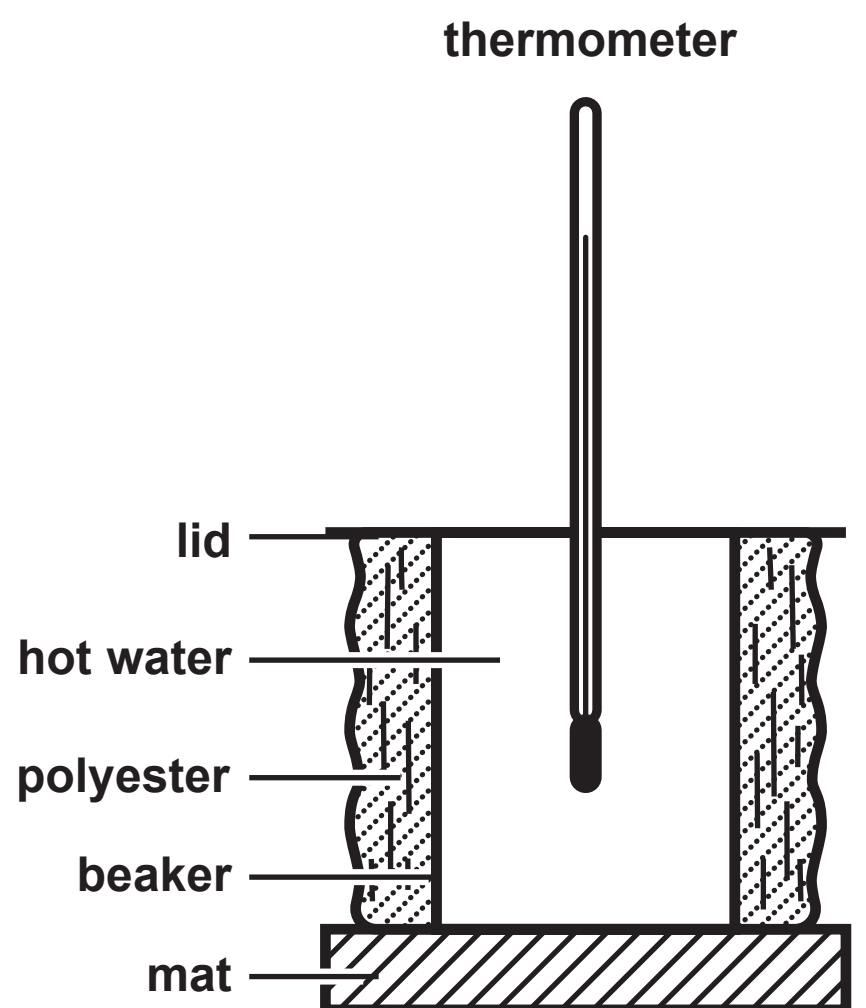
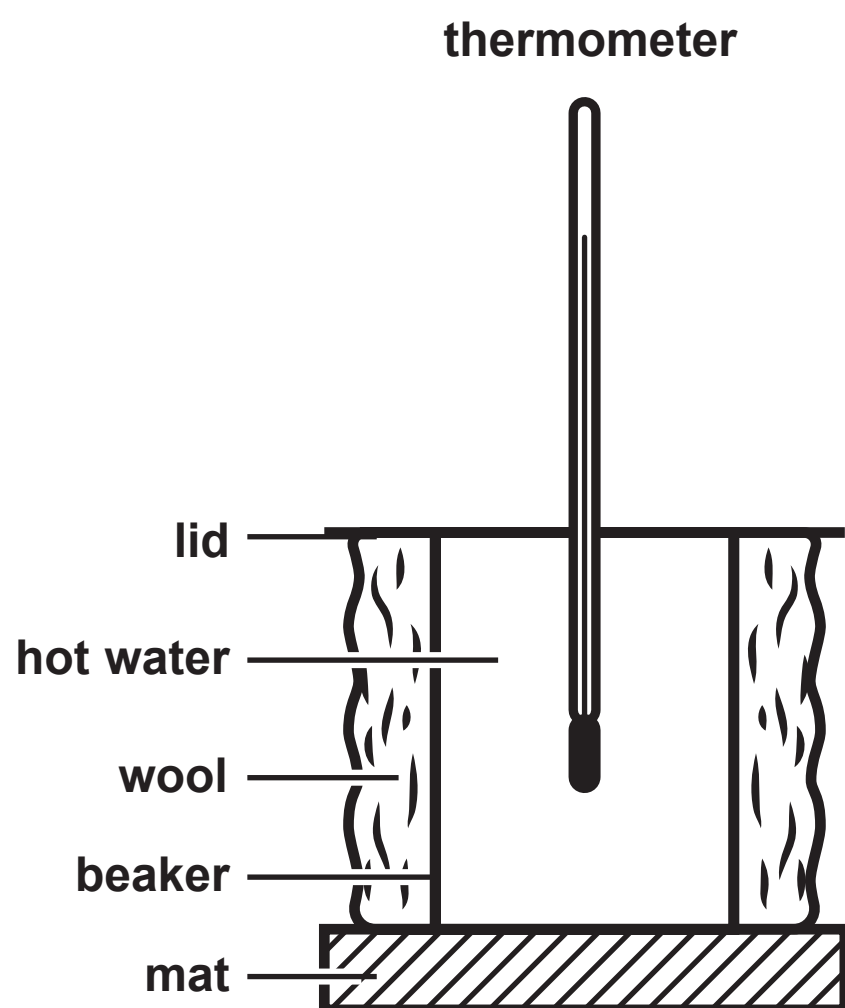


FIGURE 9

wool		polyester	
time in minutes	temperature in °C	time in minutes	temperature in °C
0	64	0	82
2	61	2	74
4	56	4	68
6	53	6	63
8	49	8	59
10	45	10	53
12	42	12	48

Question 5

FIGURE 10

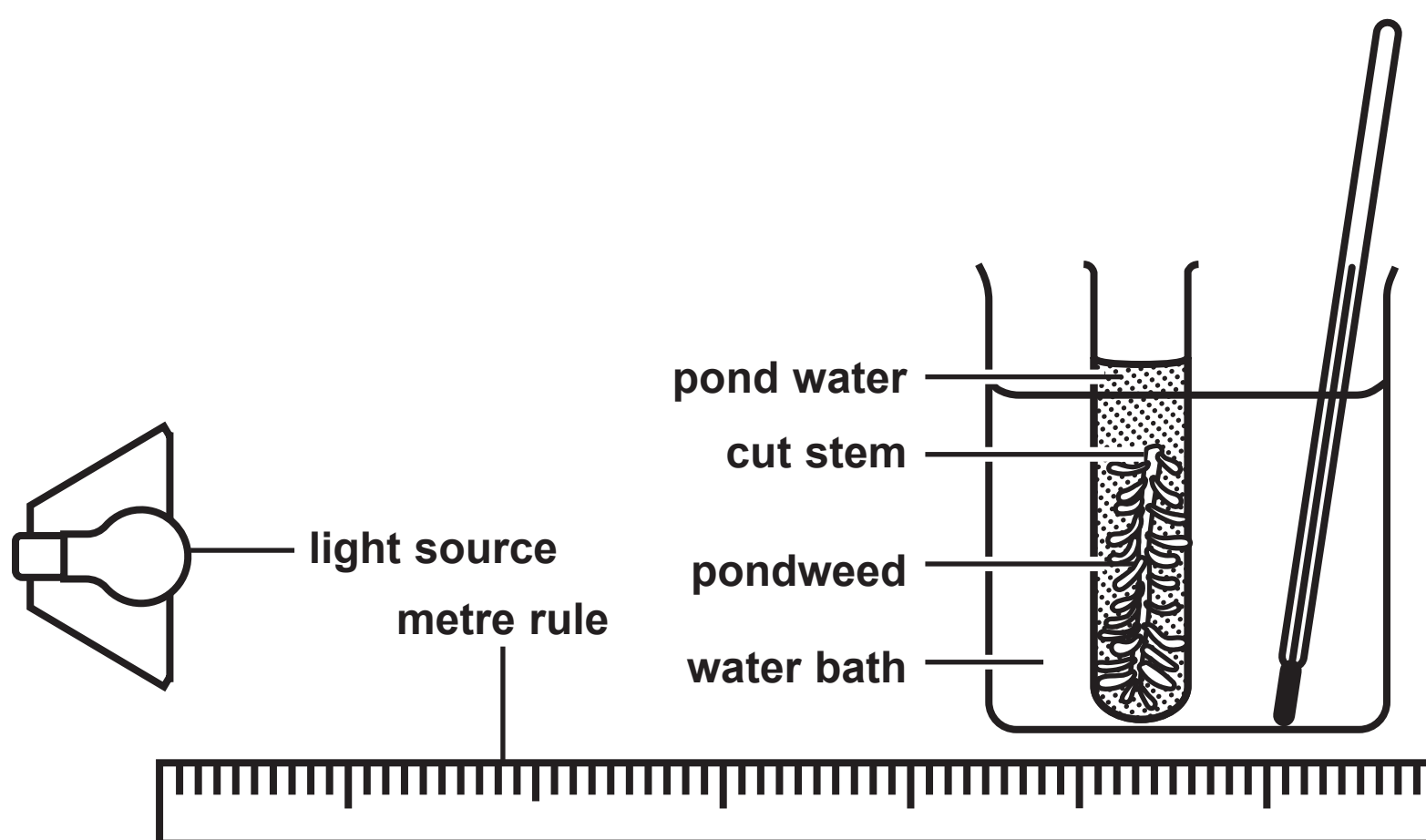
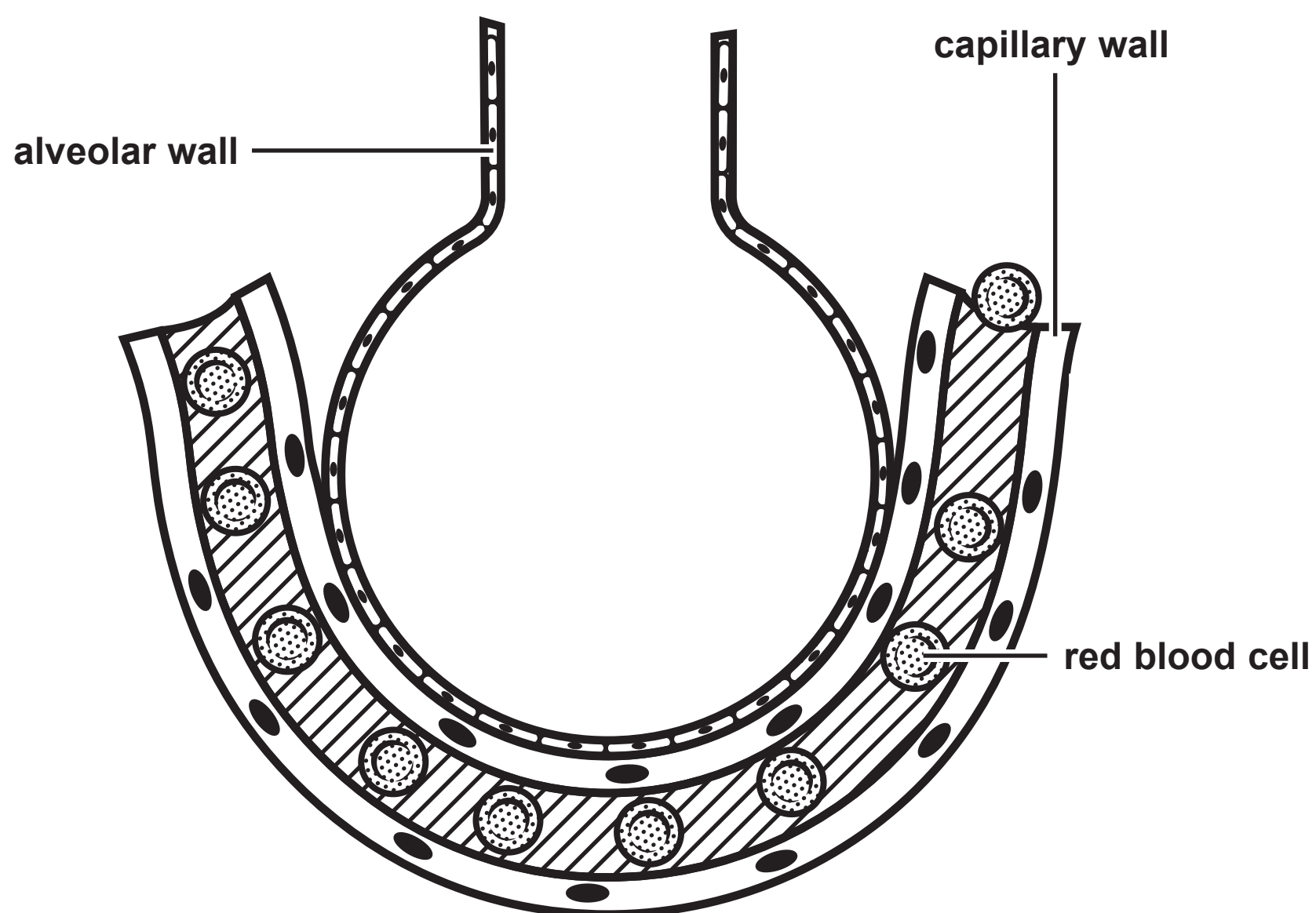


FIGURE 11

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	?

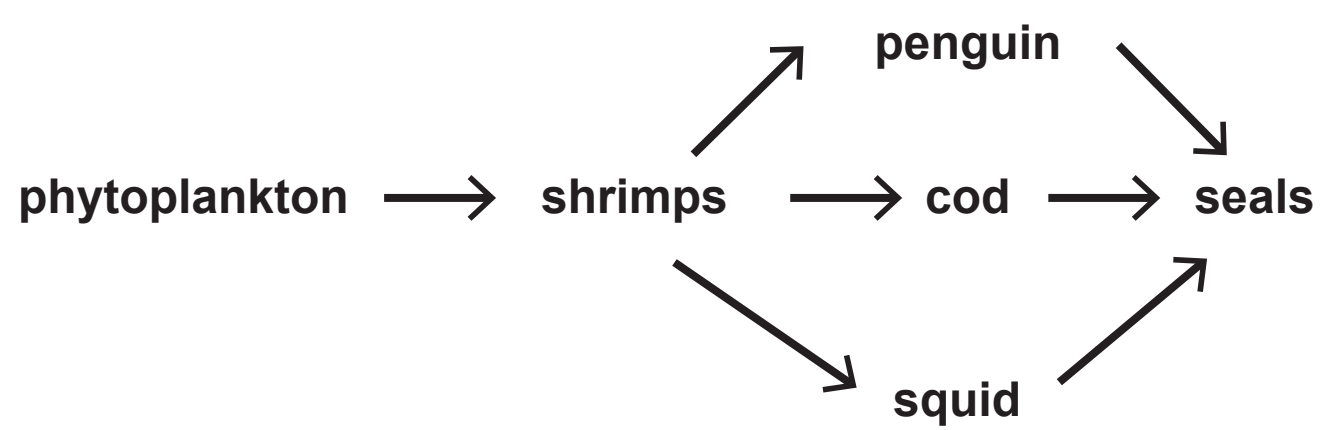
Question 6(c)

FIGURE 12



Question 7

FIGURE 13



Question 7(c)

FIGURE 14

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

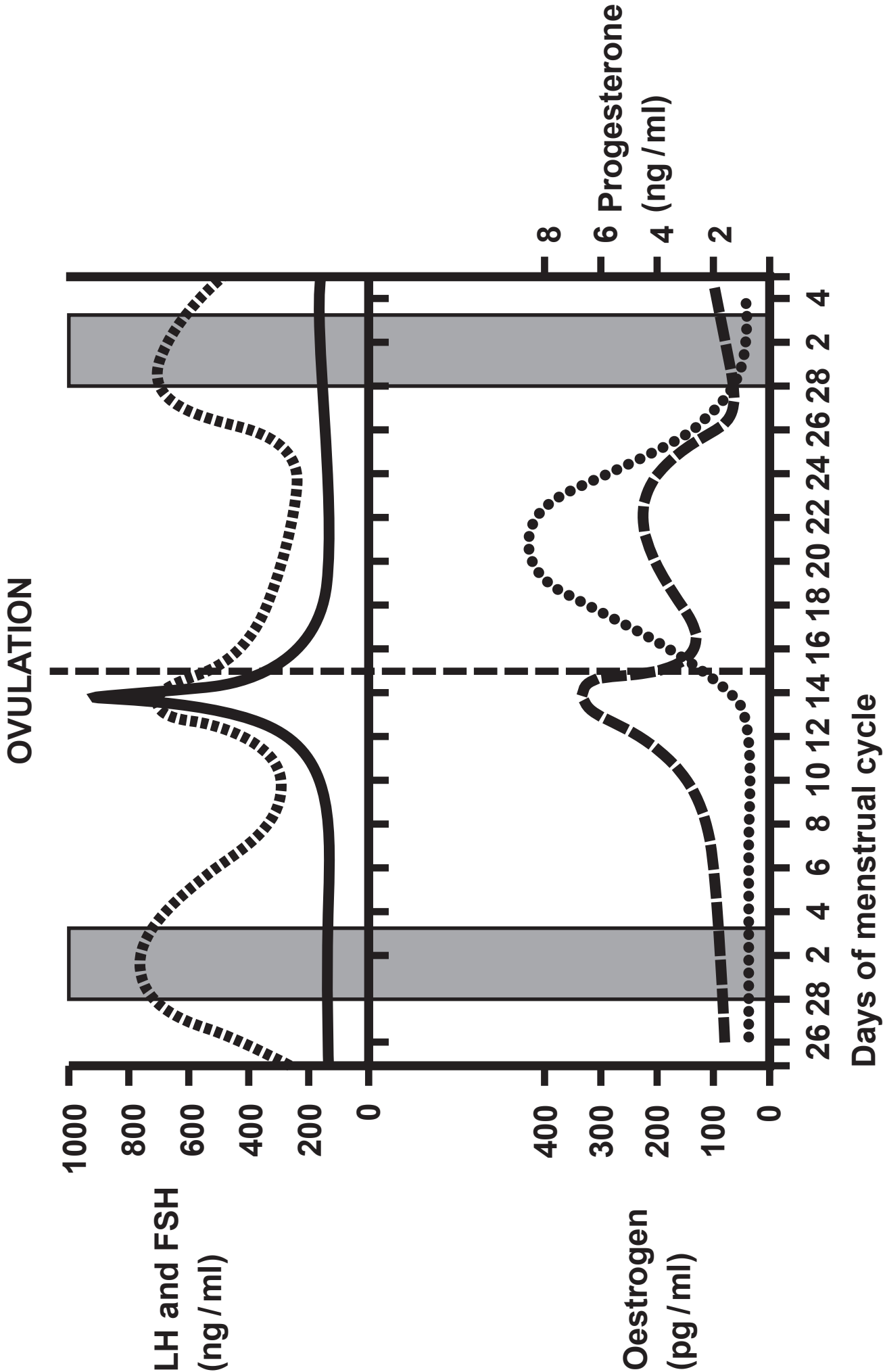
Question 7(c)(i)

[illegible]

KEY

- LH
- FSH
- progesterone
- oestrogen

FIGURE 15



Question 9

FIGURE 16

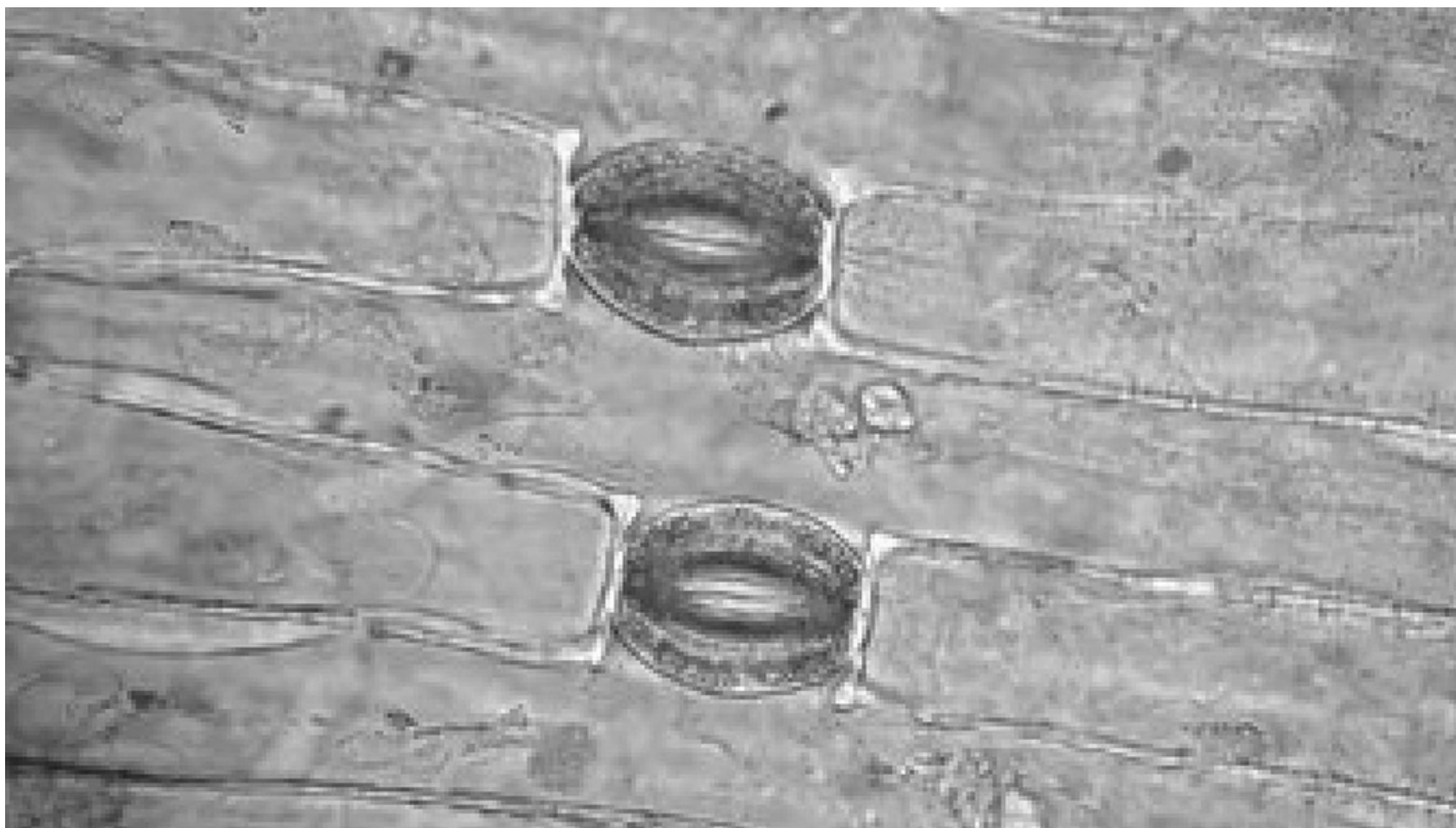
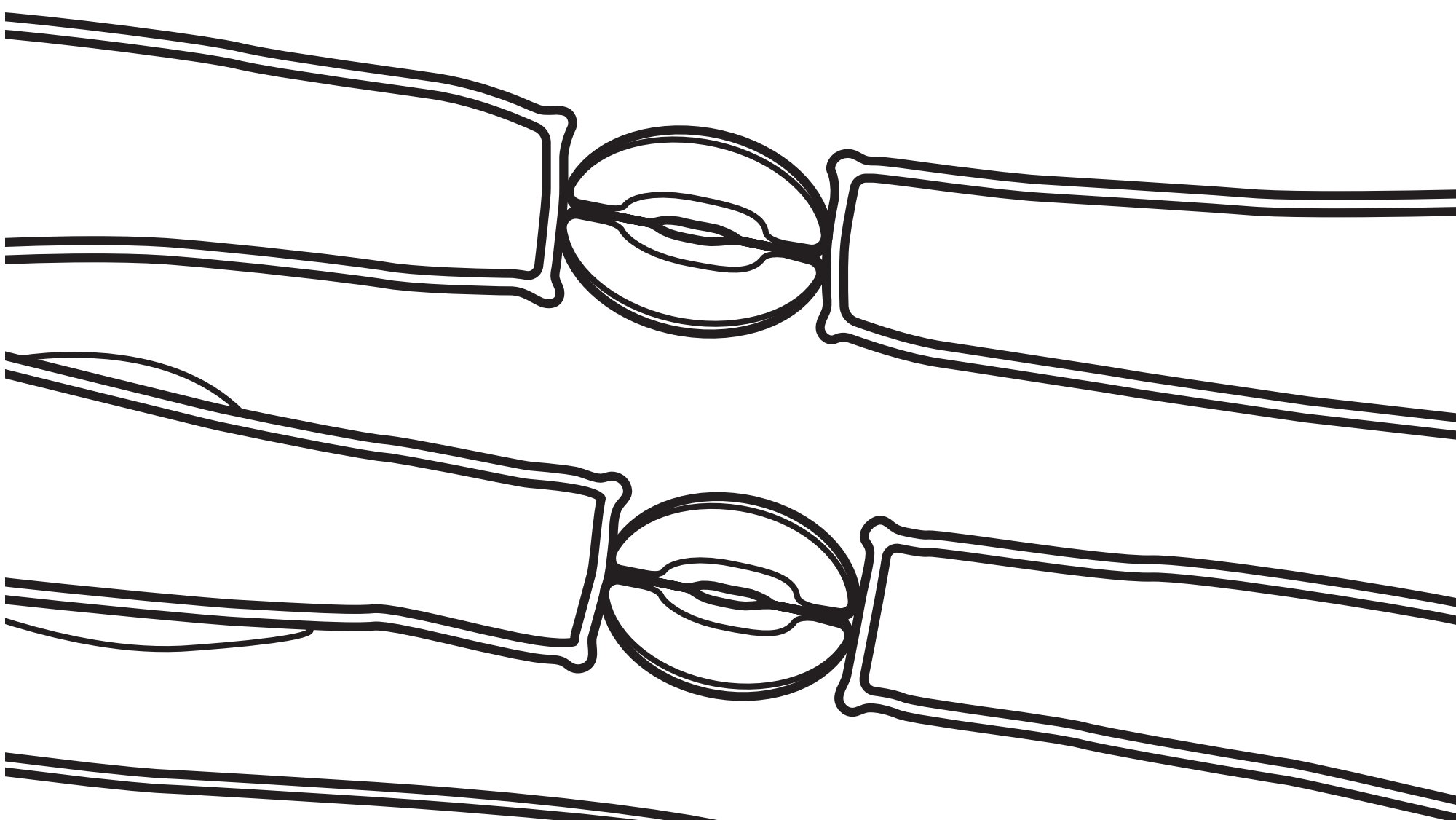


FIGURE 16 2D drawing



Question 10

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