

Combined Science
PAPER 4
Higher Tier

Friday 9 June 2023 – Afternoon

Time: 1 hour 10 minutes

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.

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KEY

— person with diabetes

- - - person who does not have diabetes

FIGURE 1

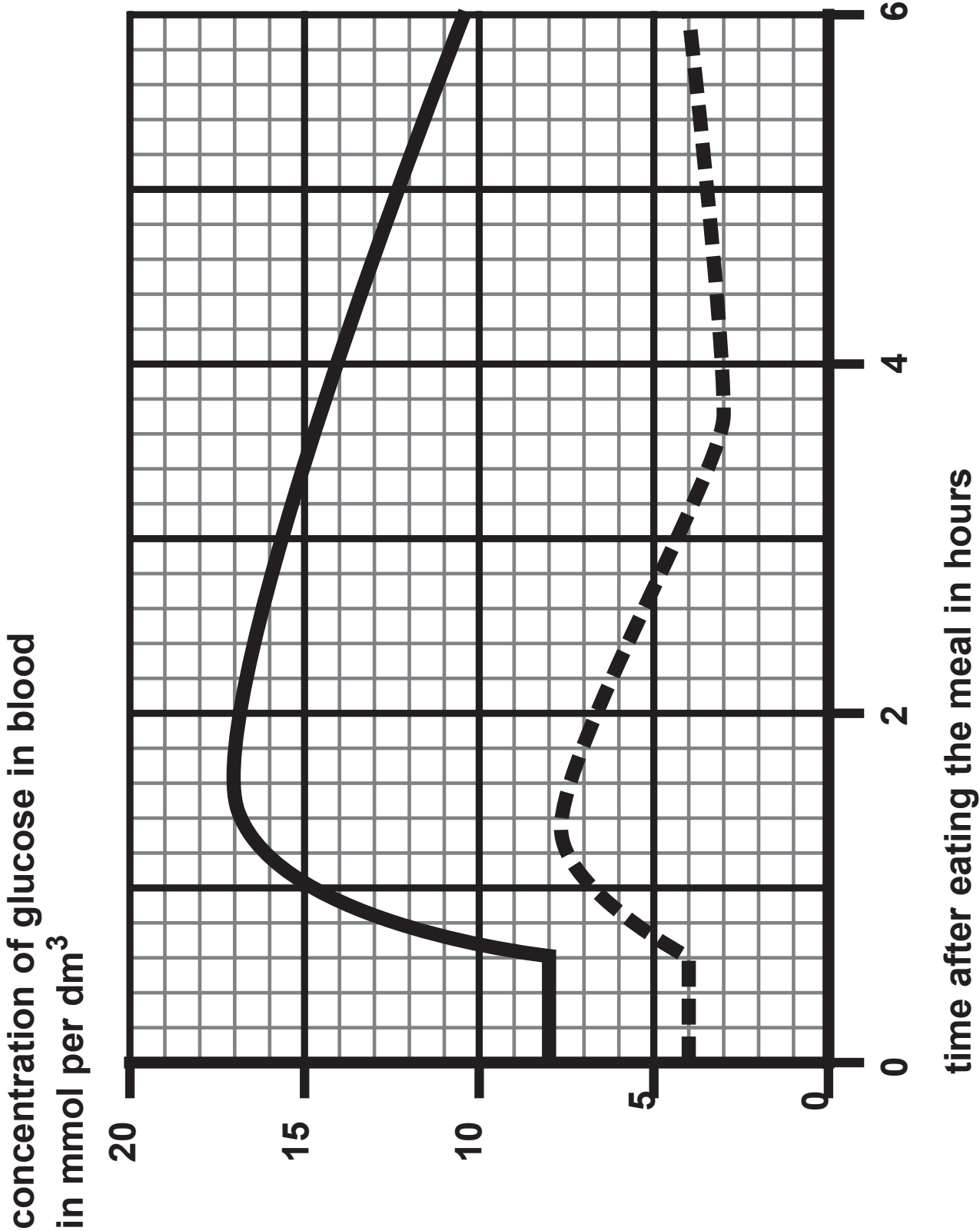
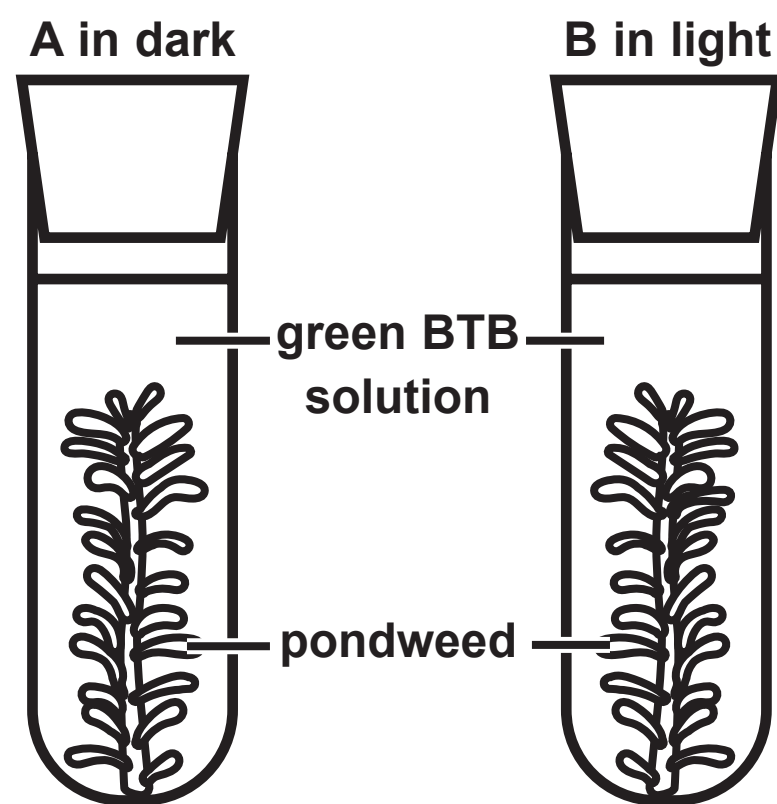


FIGURE 2

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

Question 2(c)(ii)

FIGURE 3



(continued on the next page)

2(c)(ii) continued.

FIGURE 4

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

FIGURE 5

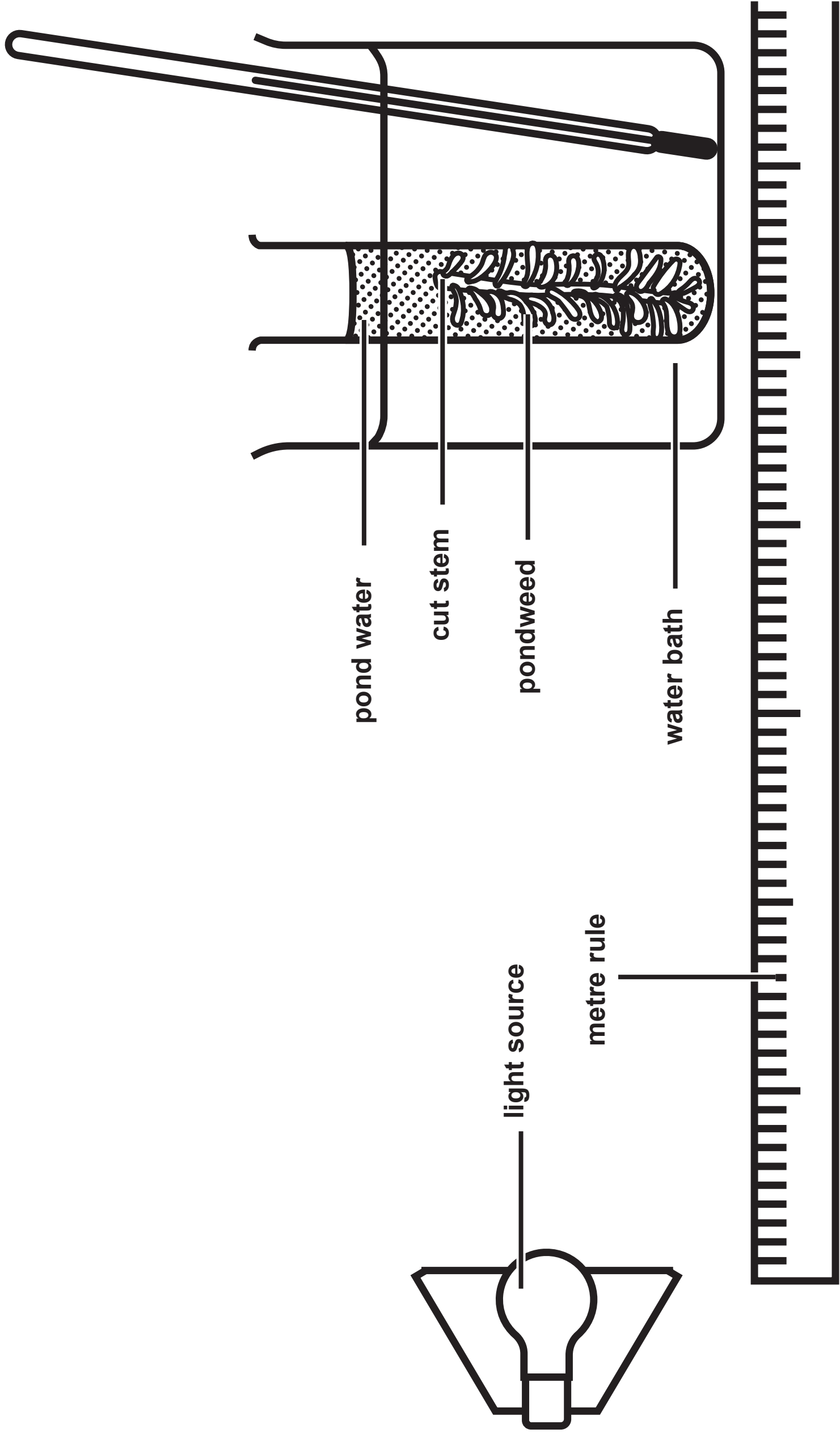


FIGURE 6

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 4

FIGURE 7

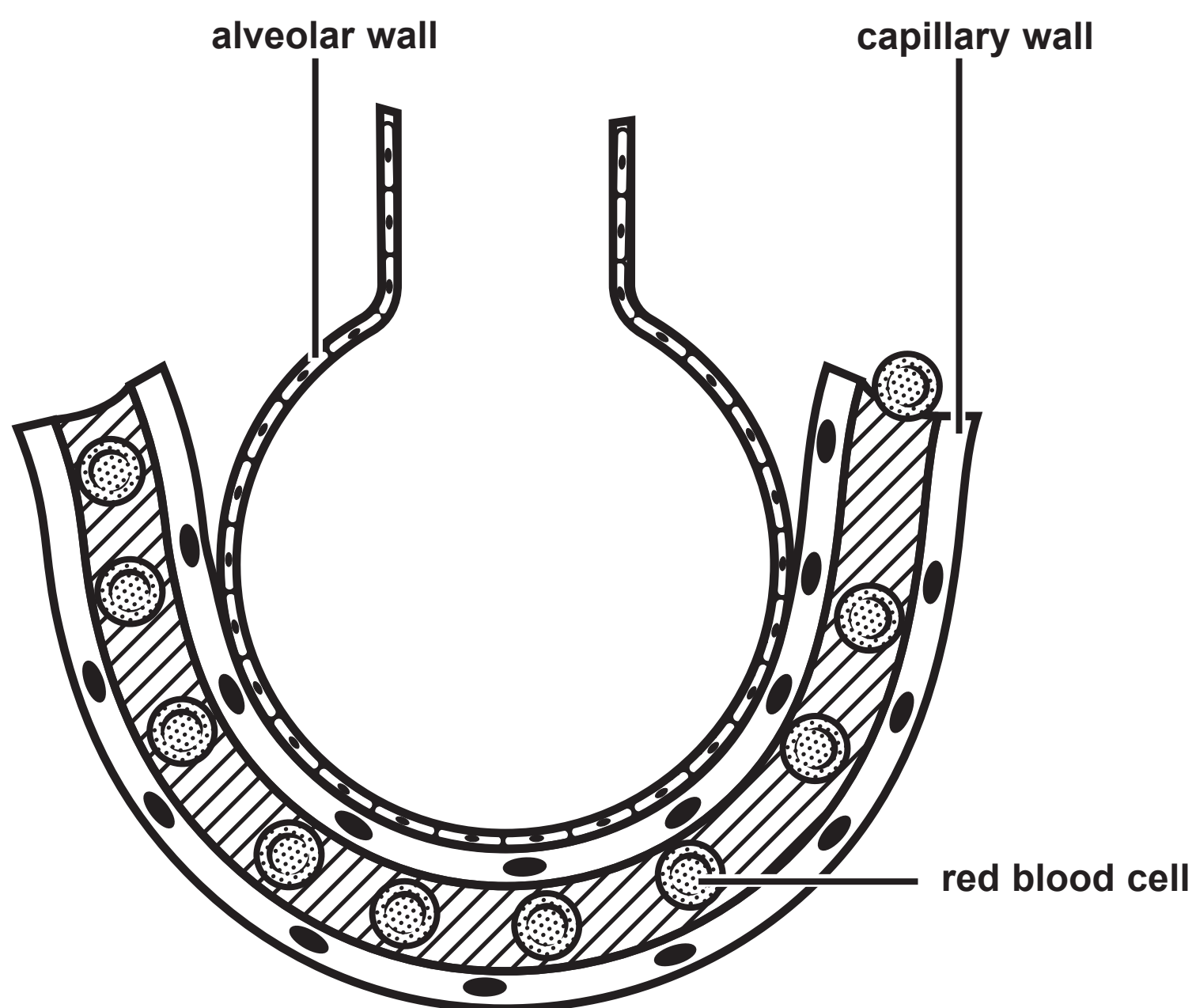
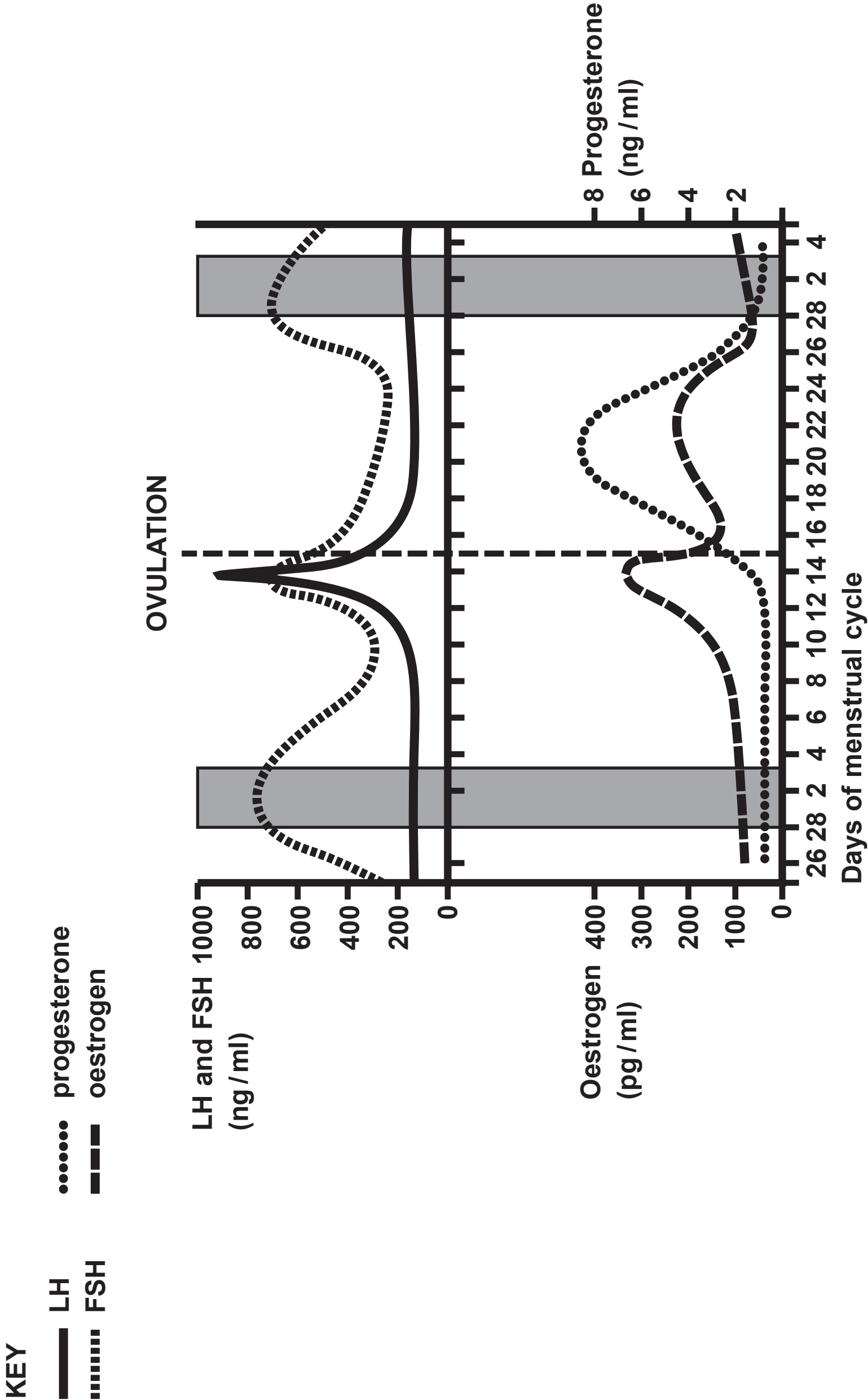


FIGURE 8



Question 6

FIGURE 9

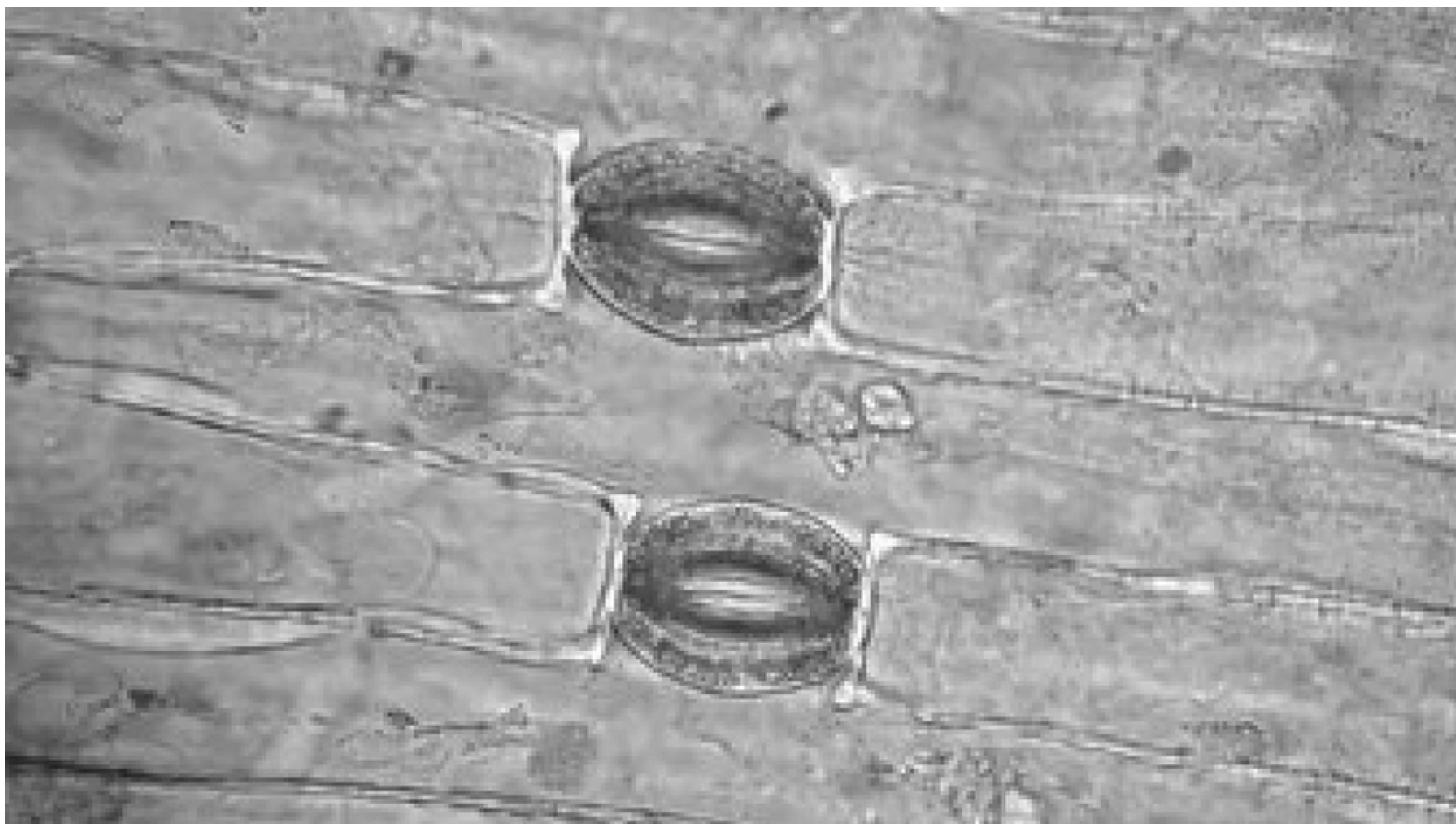


FIGURE 9 2D drawing

