

Biology
PAPER 2
Foundation Tier

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.

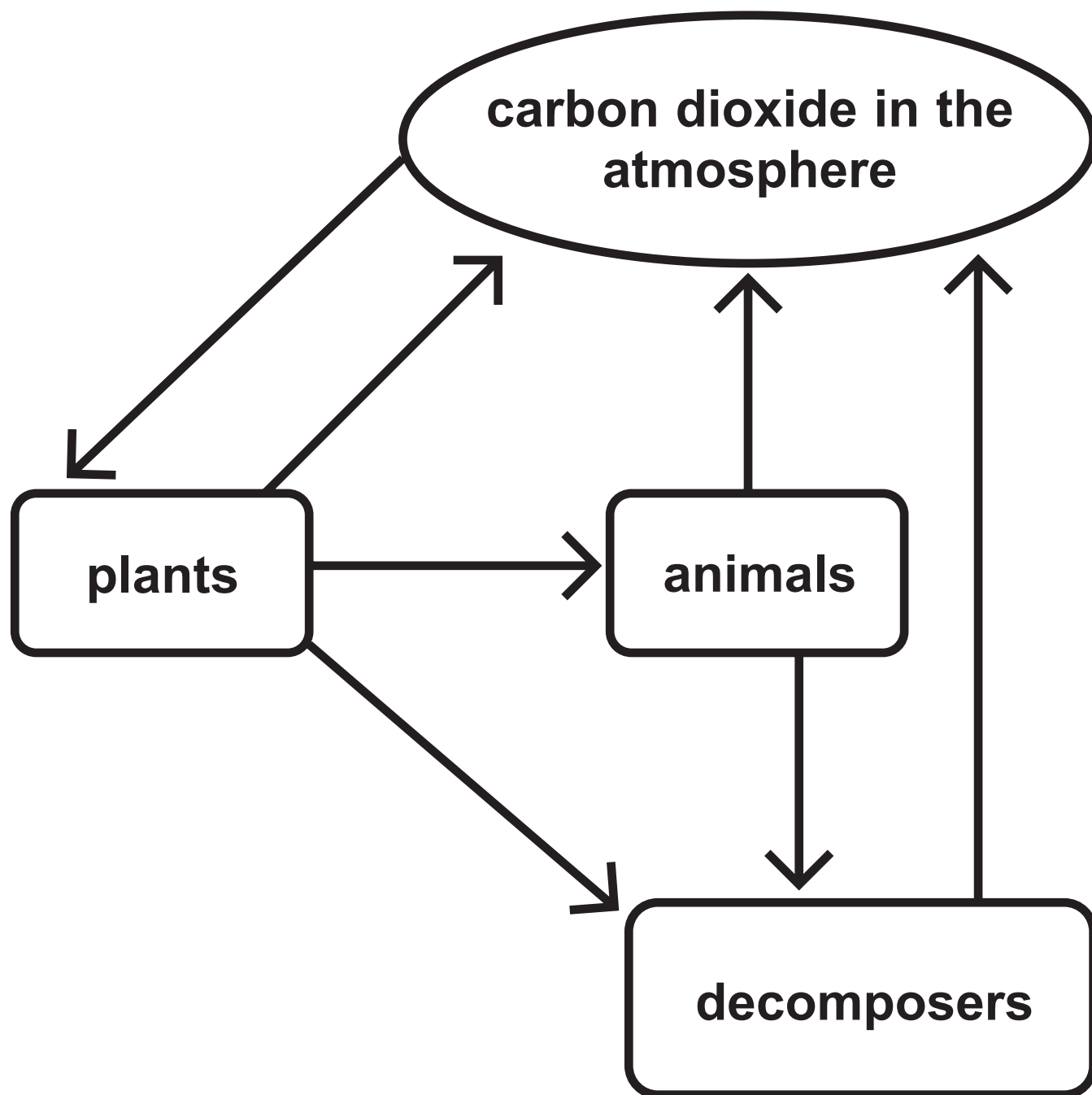
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Question 1(a)

FIGURE 1



Question 2(a)(i)

part of the blood

plasma

red blood
cell

function

produces oestrogen

transports dissolved urea

contains haemoglobin

produces antibodies

surrounds and digests
foreign cells

Question 2(a)(i)

part of the blood

plasma

red blood
cell

function

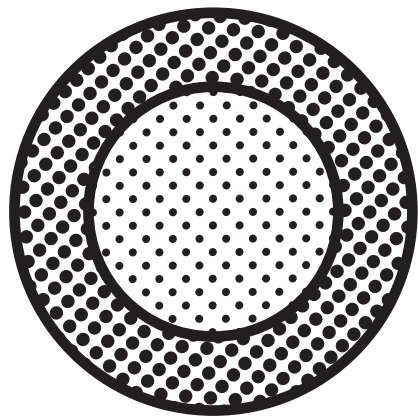
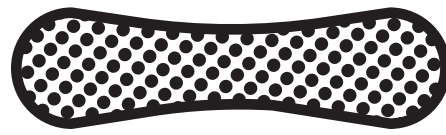
produces oestrogen

transports dissolved urea

contains haemoglobin

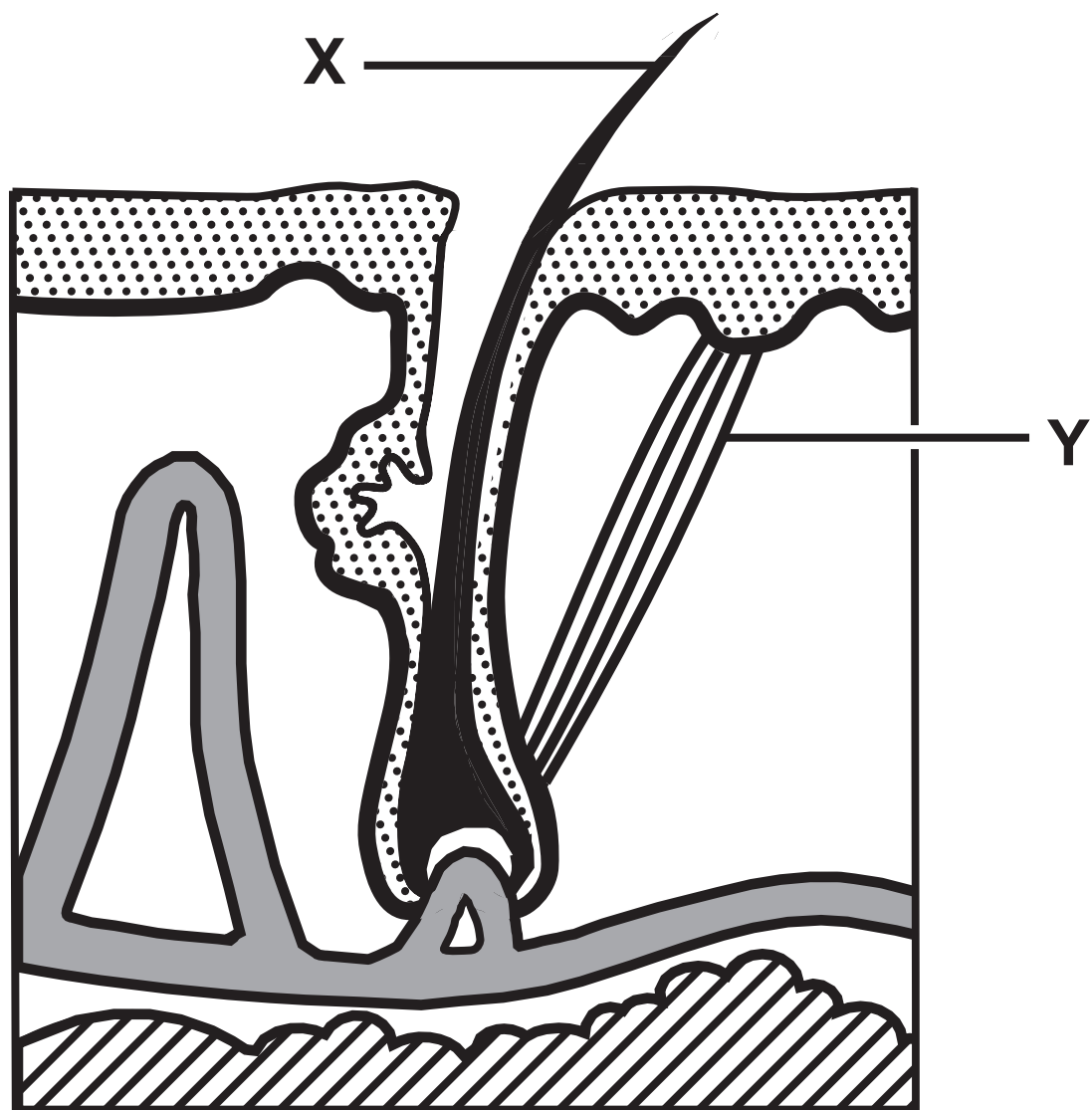
produces antibodies

surrounds and digests
foreign cells

Question 2(a)(ii)**FIGURE 2****plan view****side view**

Question 3(a)

FIGURE 3



Question 3(b)

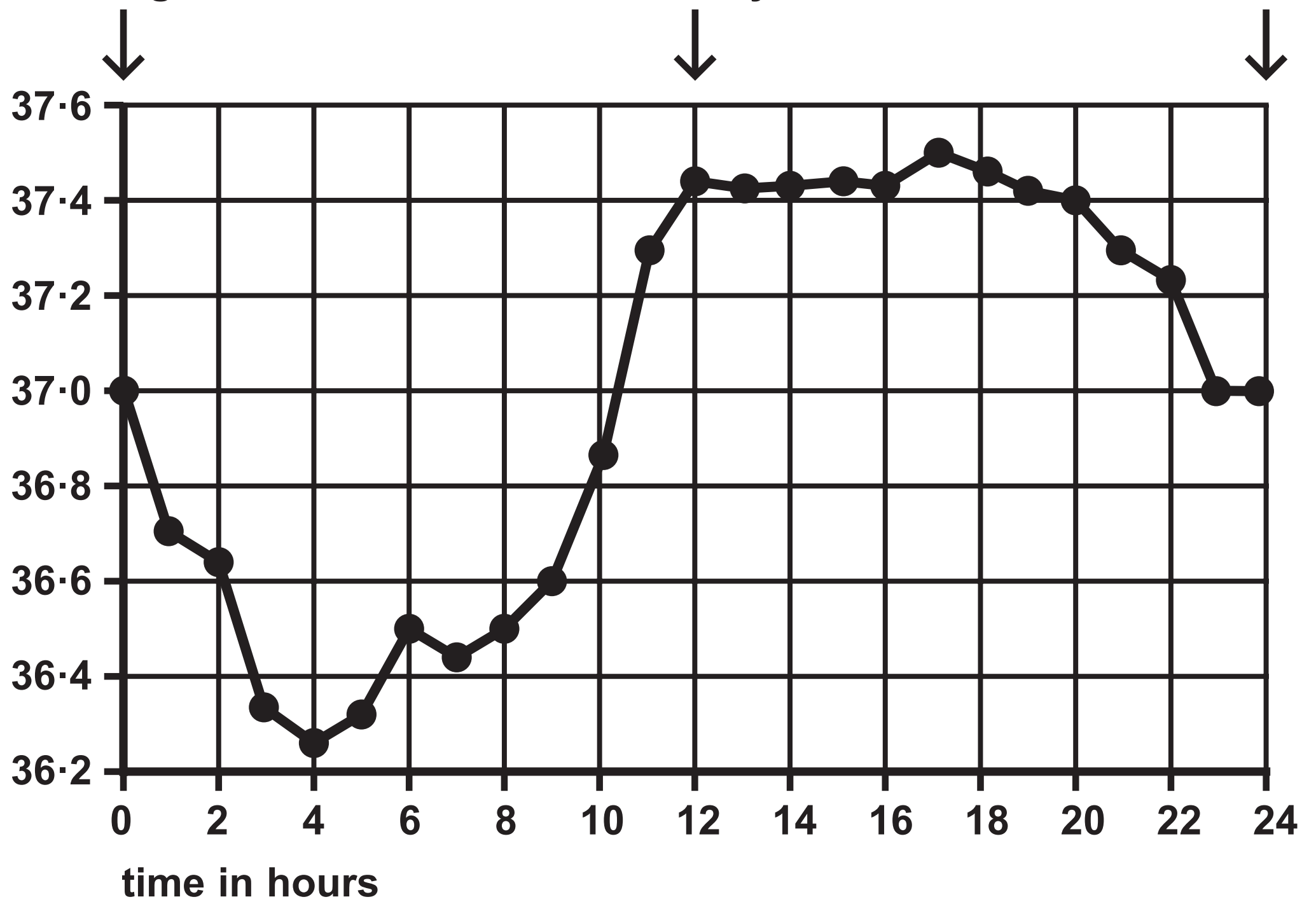
FIGURE 4

**body
temperature
in °C**

midnight

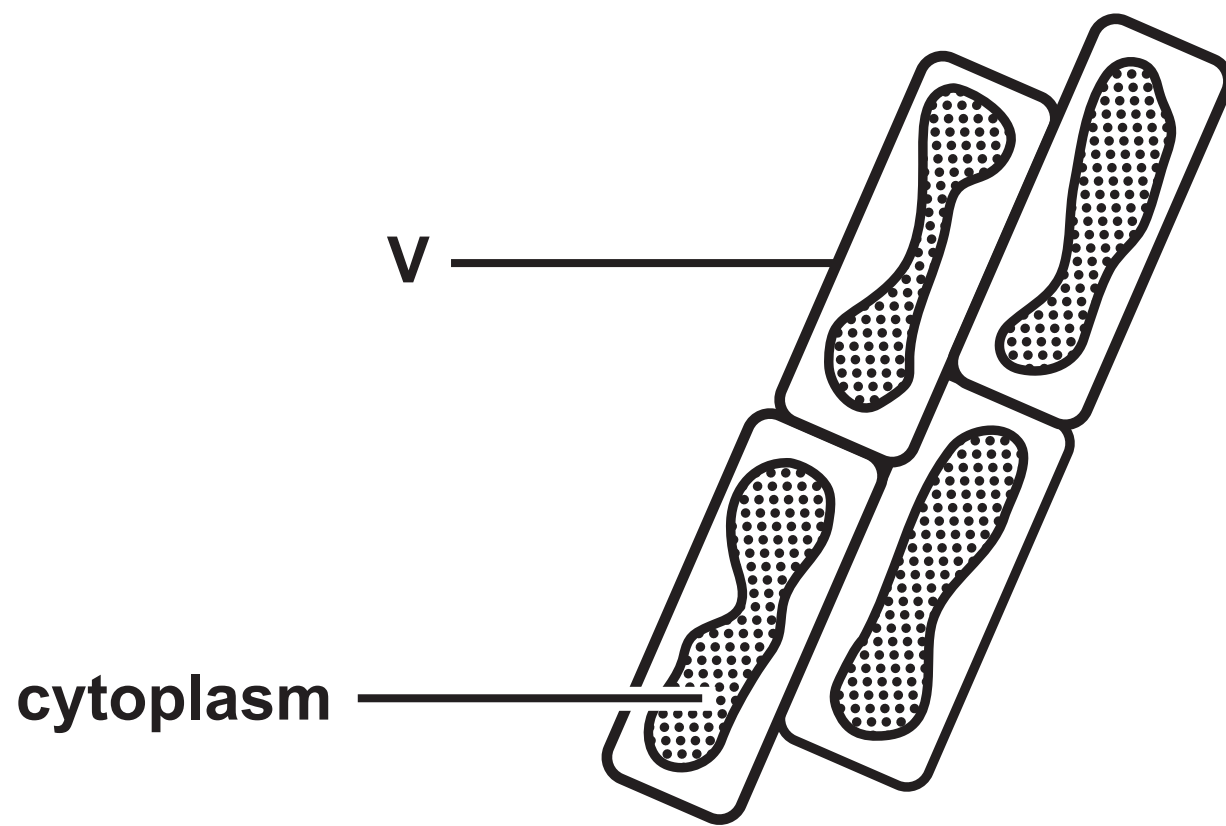
midday

midnight



Question 4(a)

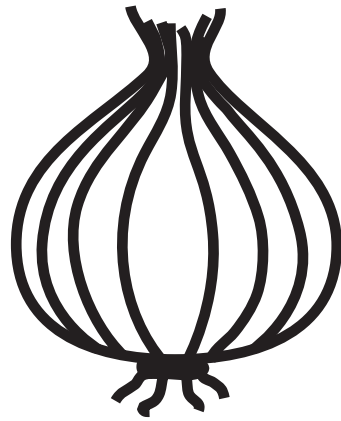
FIGURE 5



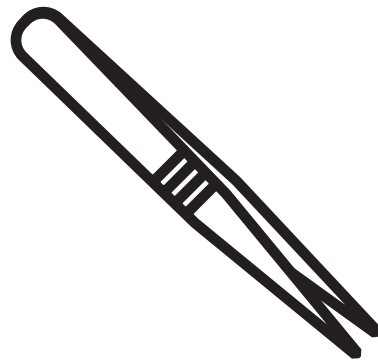
Question 4(b)

FIGURE 6

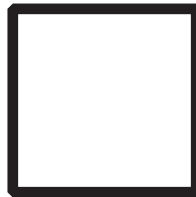
onion



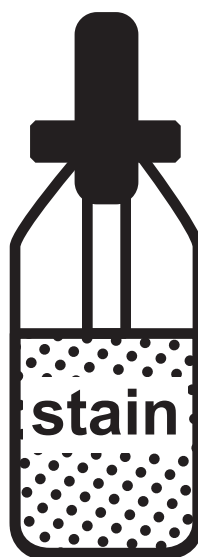
tweezers



cover slip



bottle of stain



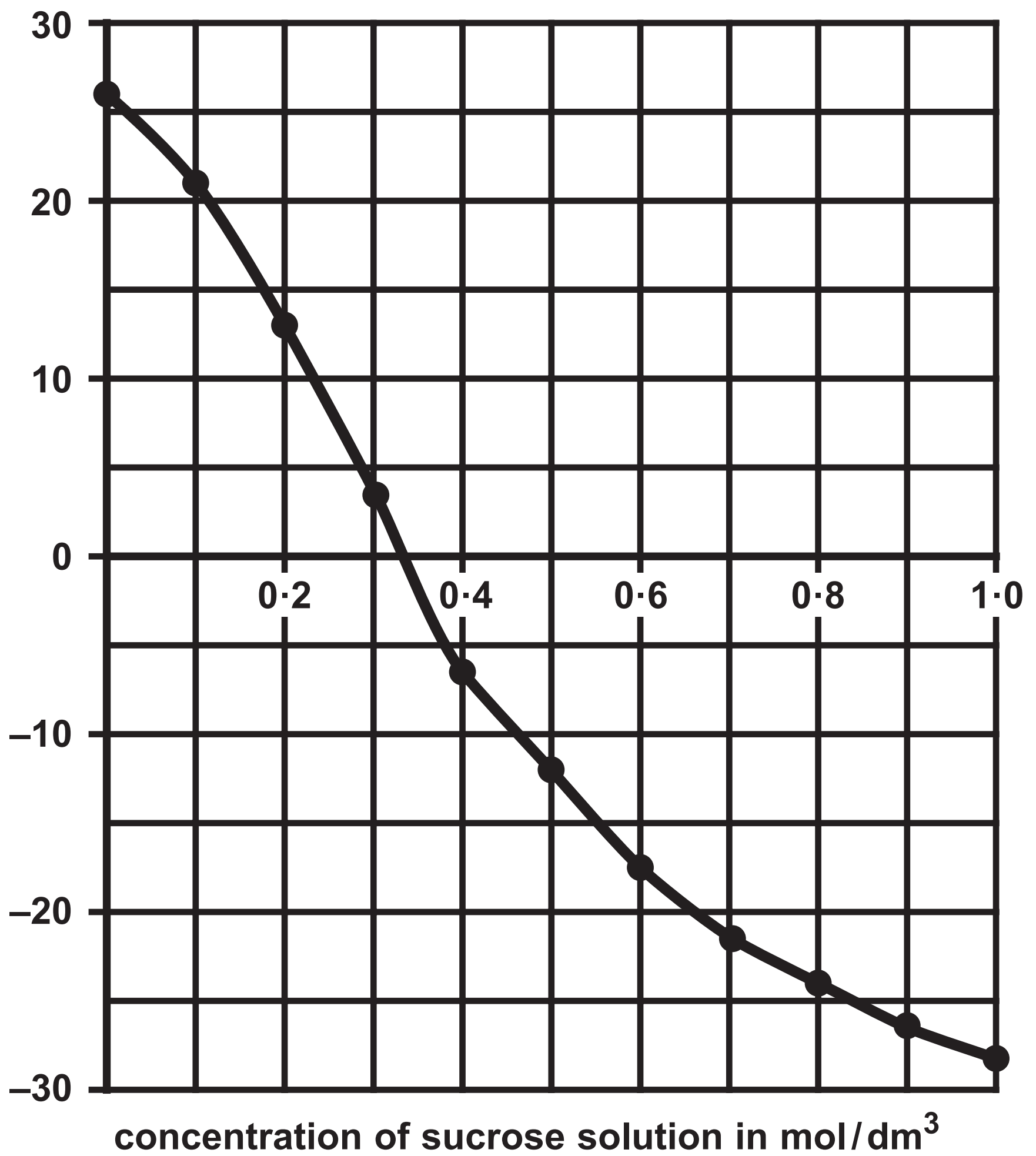
microscope slide



Question 4(c)

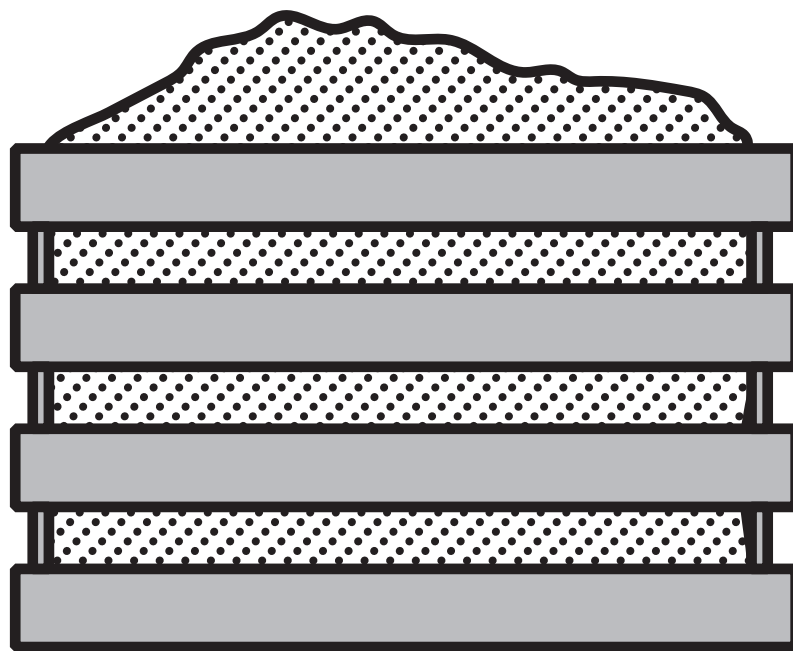
FIGURE 7

percentage
change
in mass



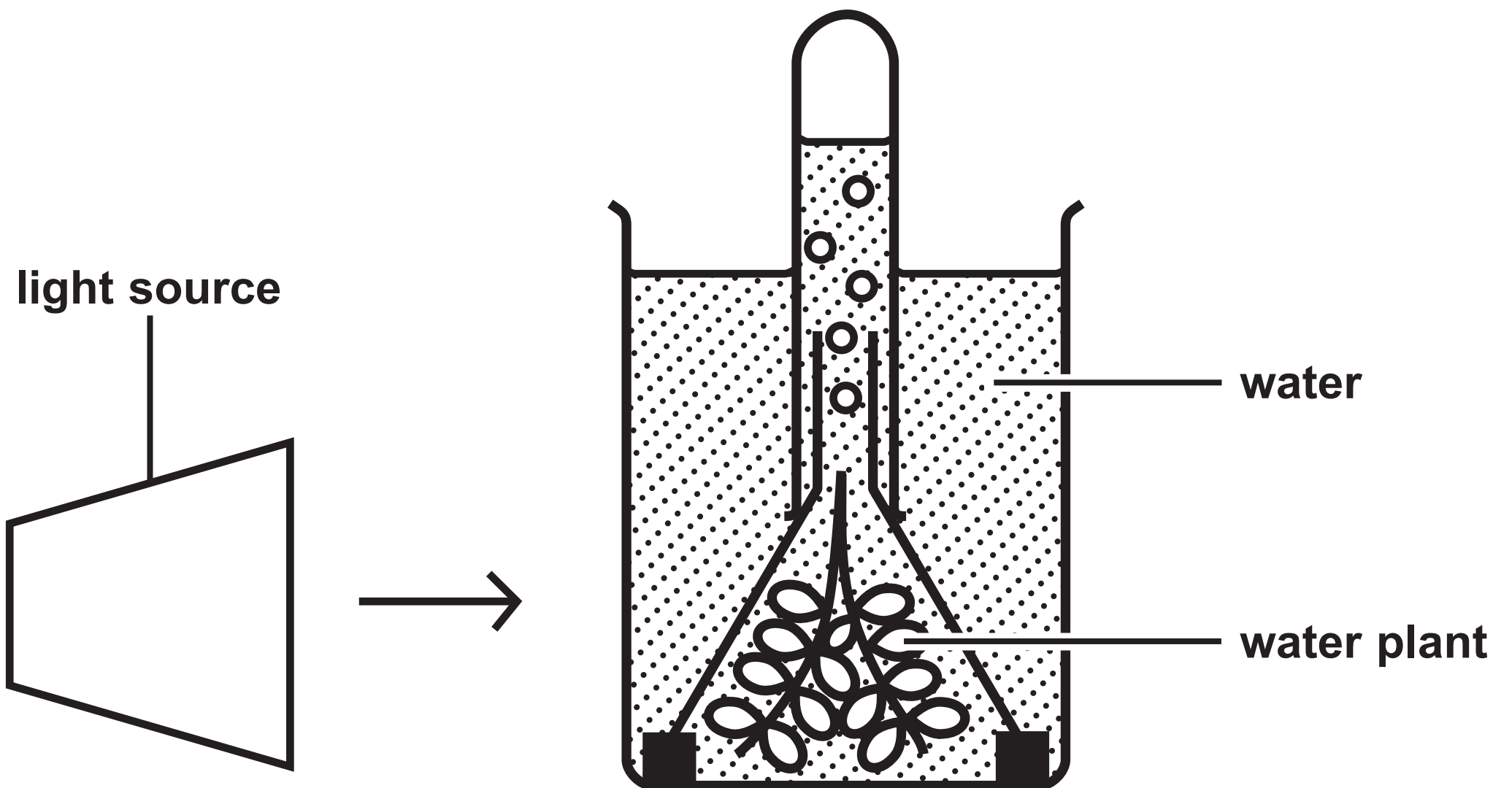
Question 5(a)

FIGURE 8



Question 6(a)

FIGURE 10



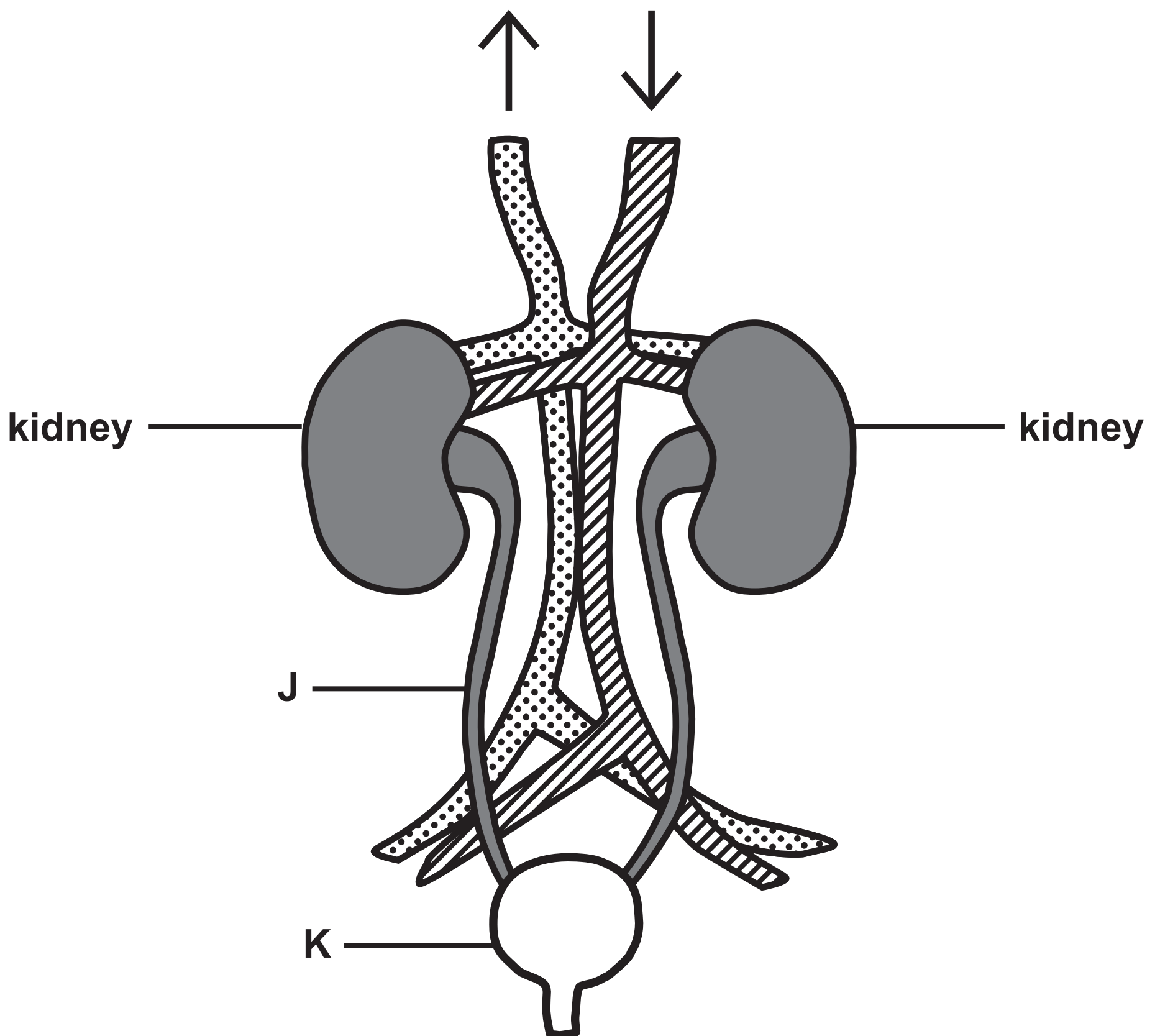
Question 6(a)(ii)

FIGURE 11

light intensity in arbitrary units	rate of photosynthesis in bubbles per minute
25	19
31	43
39	46
50	95
69	125
100	222

Question 7(a)

FIGURE 12



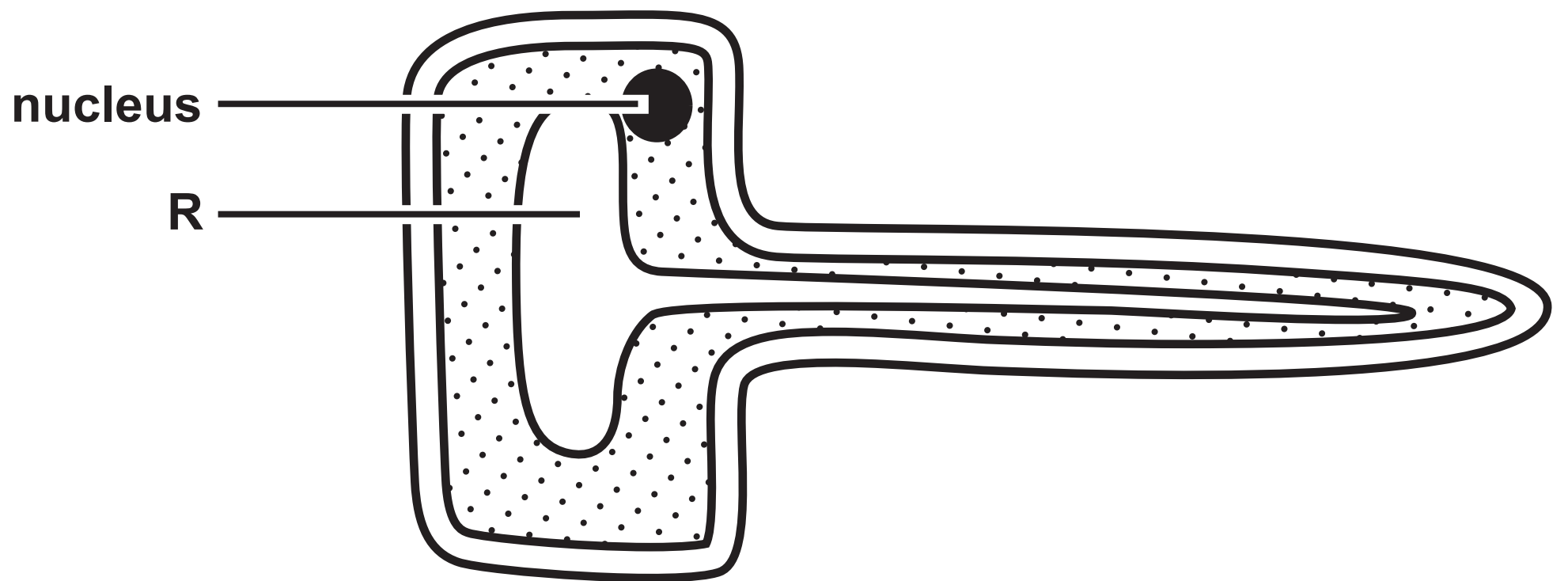
Question 7(b)(ii)

FIGURE 13

blood component	is the component filtered into the nephron?
blood cells	no
large proteins	no
glucose	yes
sodium ions	yes

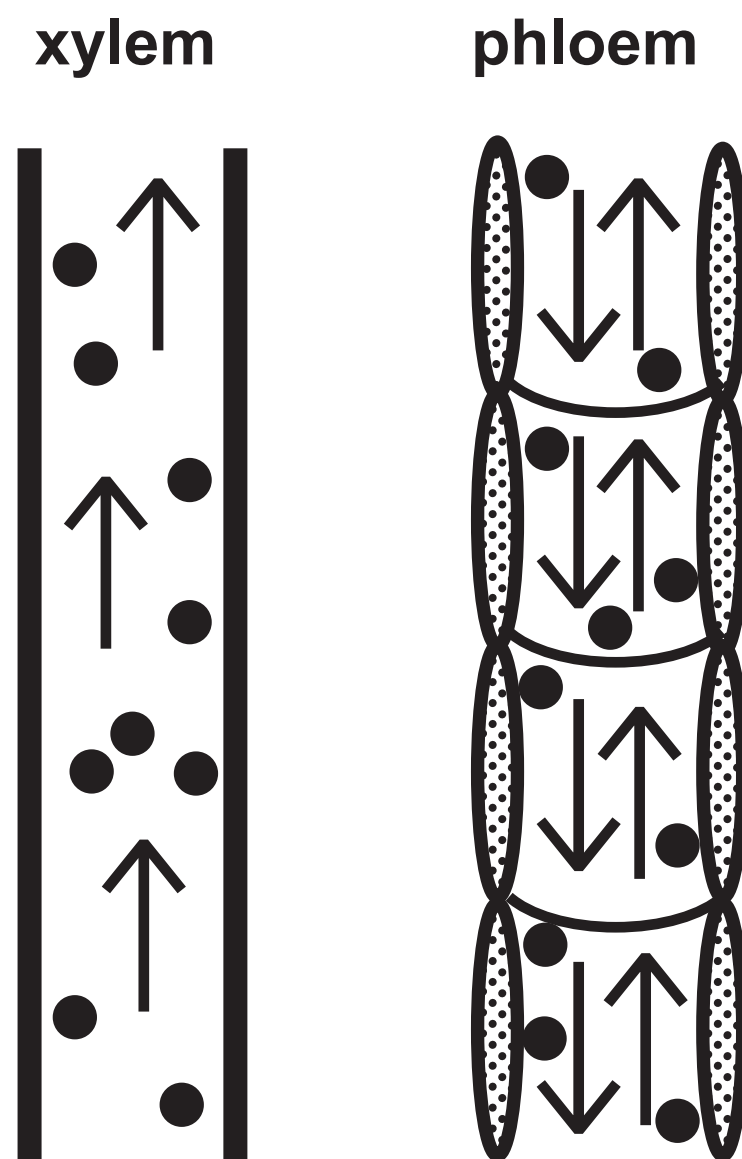
Question 8(a)

FIGURE 14



Question 8(b)

FIGURE 15



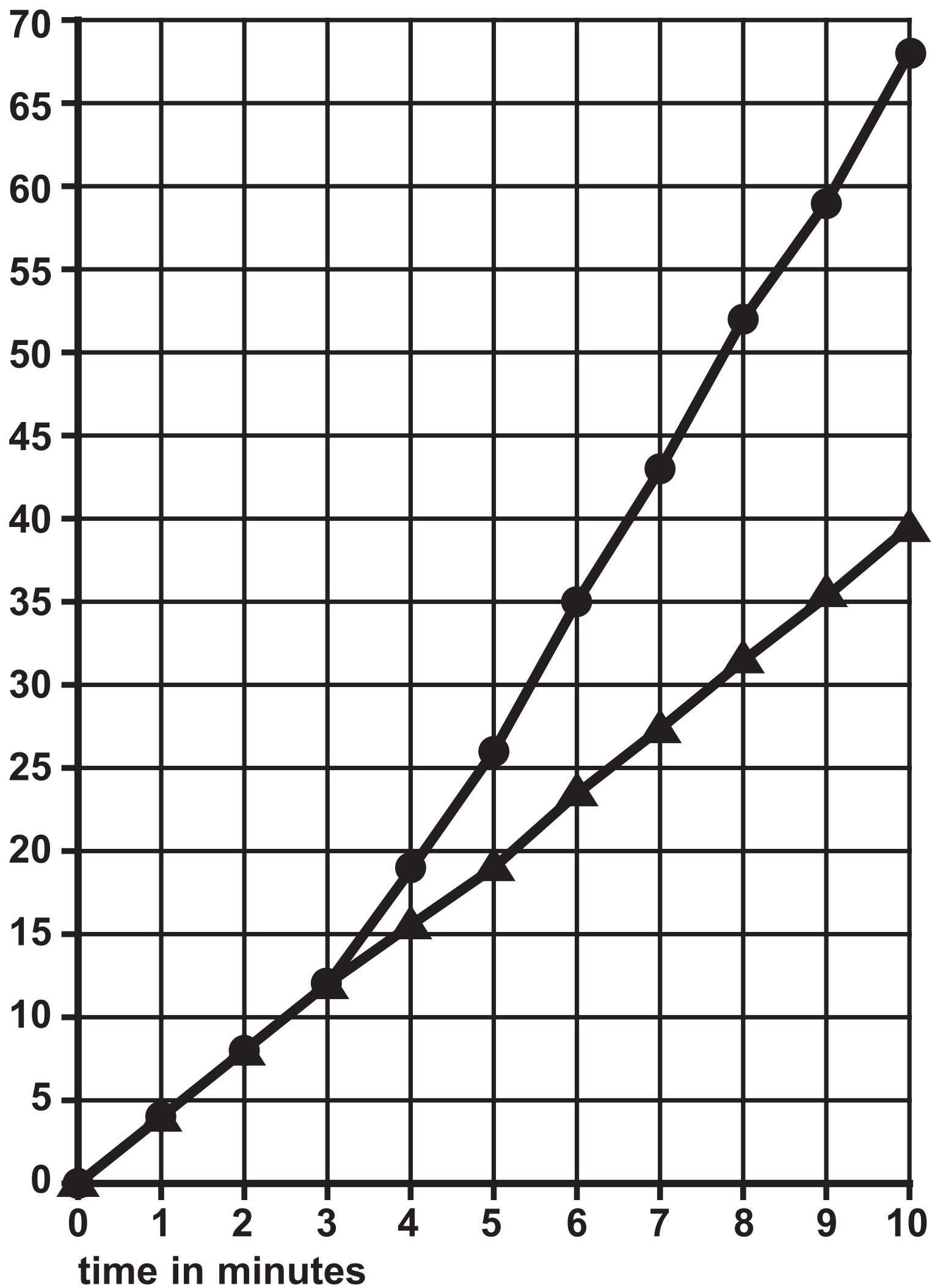
Question 8(c)

FIGURE 16

—●— fan switched on after three minutes

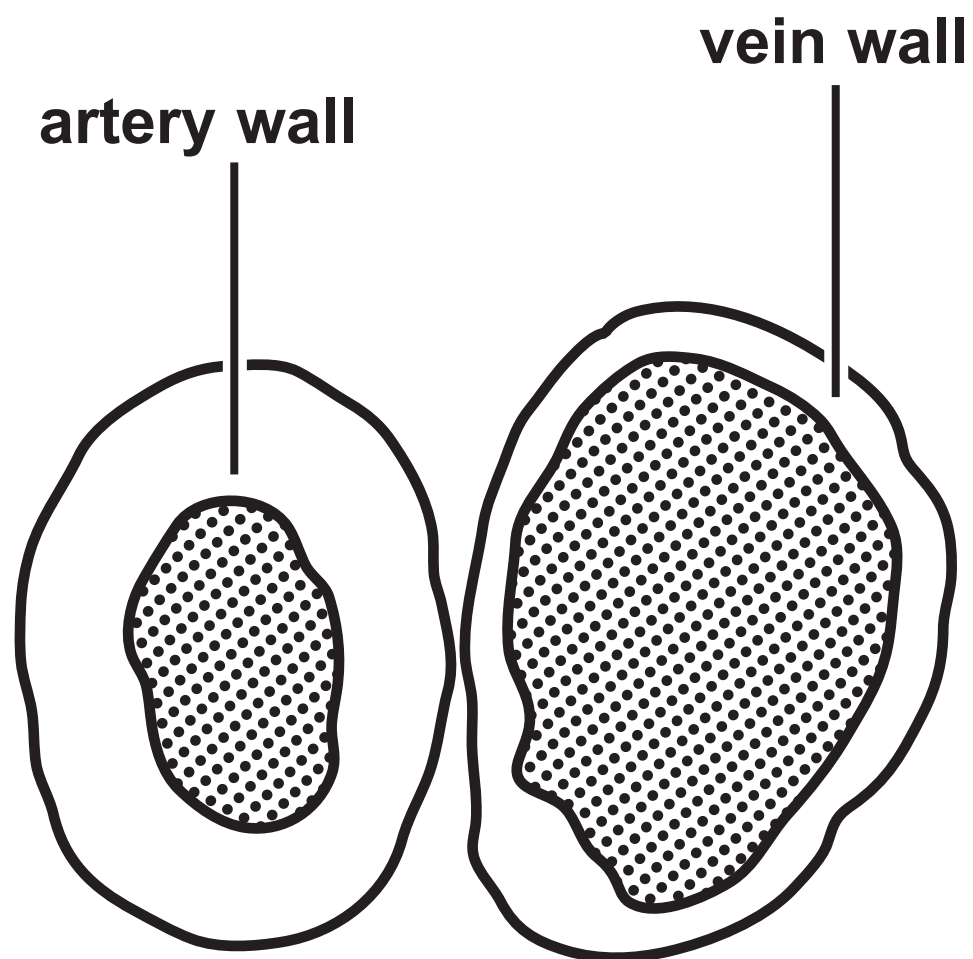
—▲— fan not switched on

volume of water taken
up by the plant in mm^3



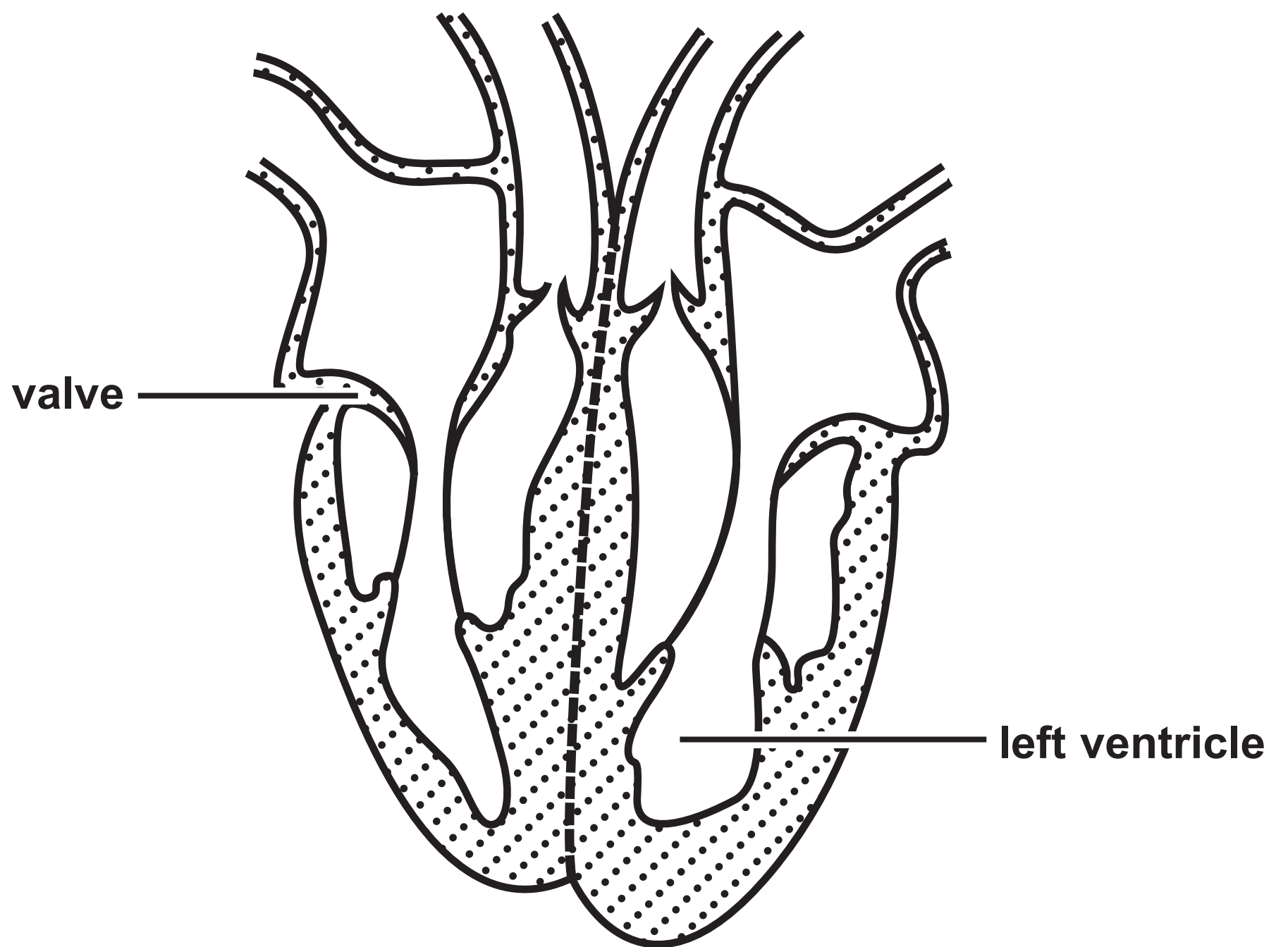
Question 9(a)

FIGURE 17



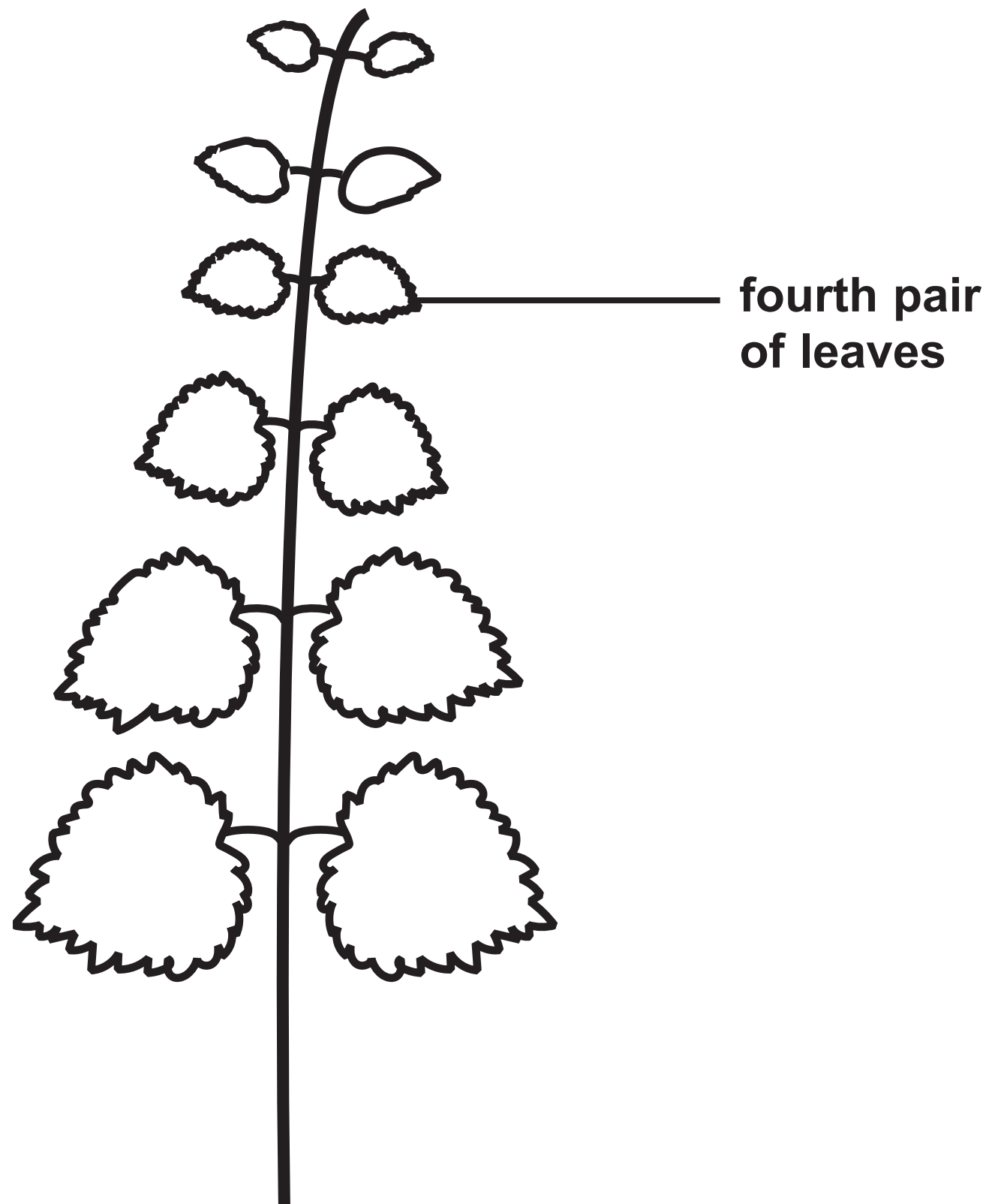
Question 9(c)

FIGURE 18



Question 10(a)

FIGURE 19



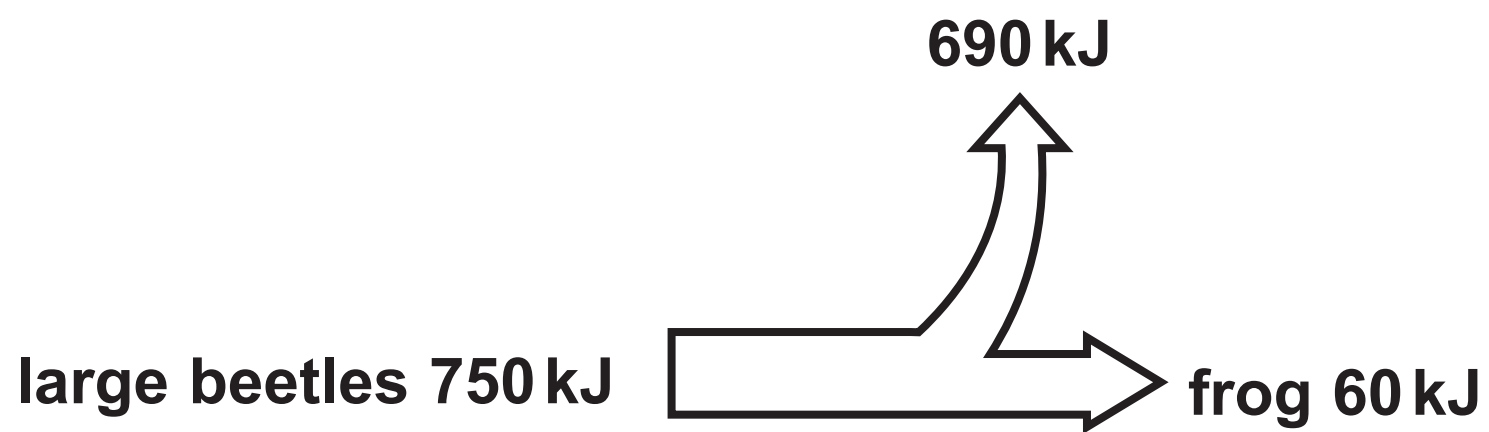
Question 10(b)

FIGURE 20

nettle plant	width of the leaf in millimetres (mm)	
	area A (in shade)	area B (in sunlight)
1	45	33
2	50	25
3	48	27
4	52	48
5	47	28
mean	48	28

Question 10(c)(ii)

FIGURE 21



Question 2(a)(ii)

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Question 3(a)

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Question 4(a)

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Question 9(a)

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Question 10(a)

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