

Paper Reference(s) 1SC0/2BF
Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Combined Science
Paper 4
Foundation Tier

Time: 1 hour 10 minutes plus your additional time allowance

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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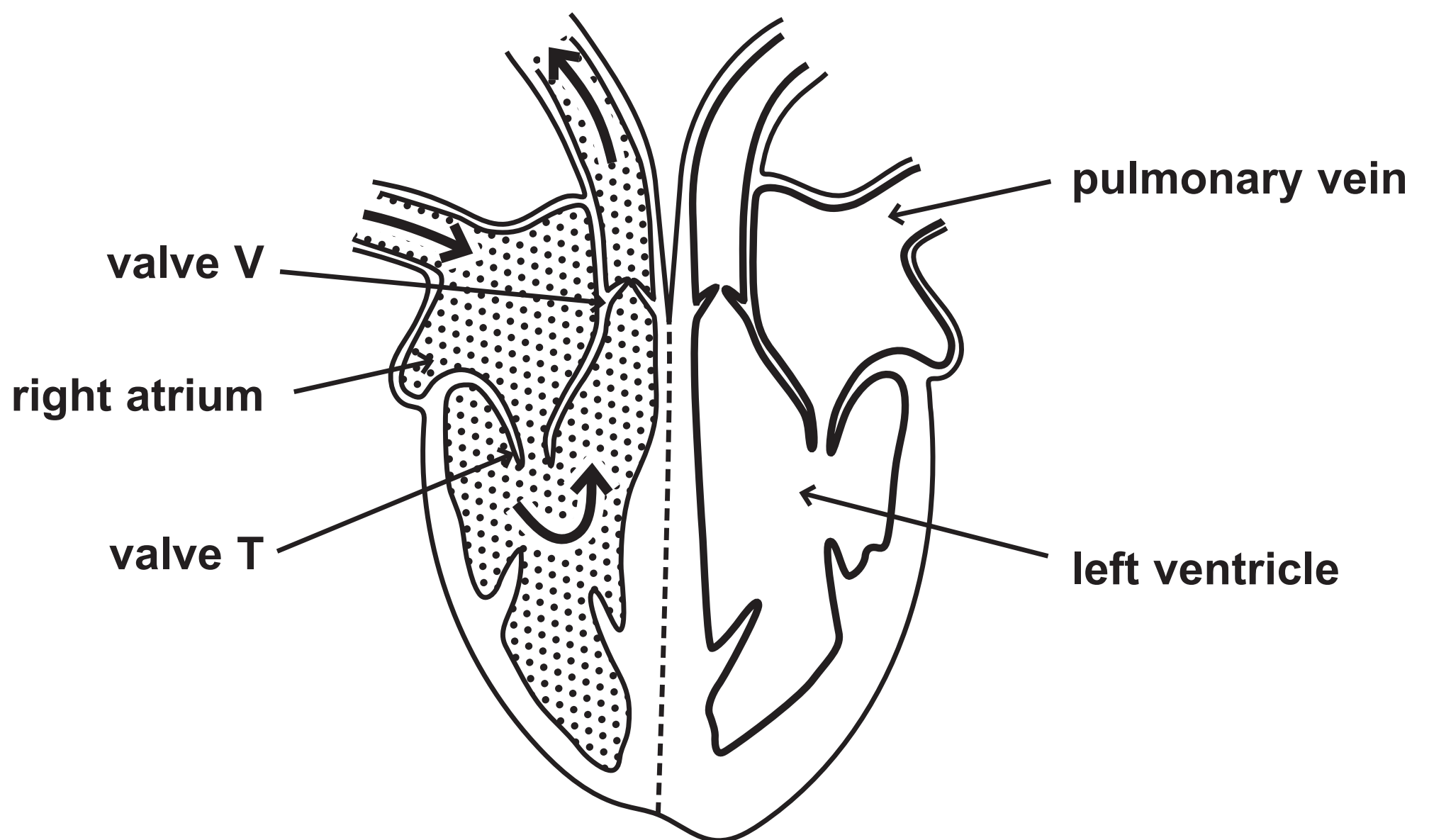
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Question 1(a)

FIGURE 1

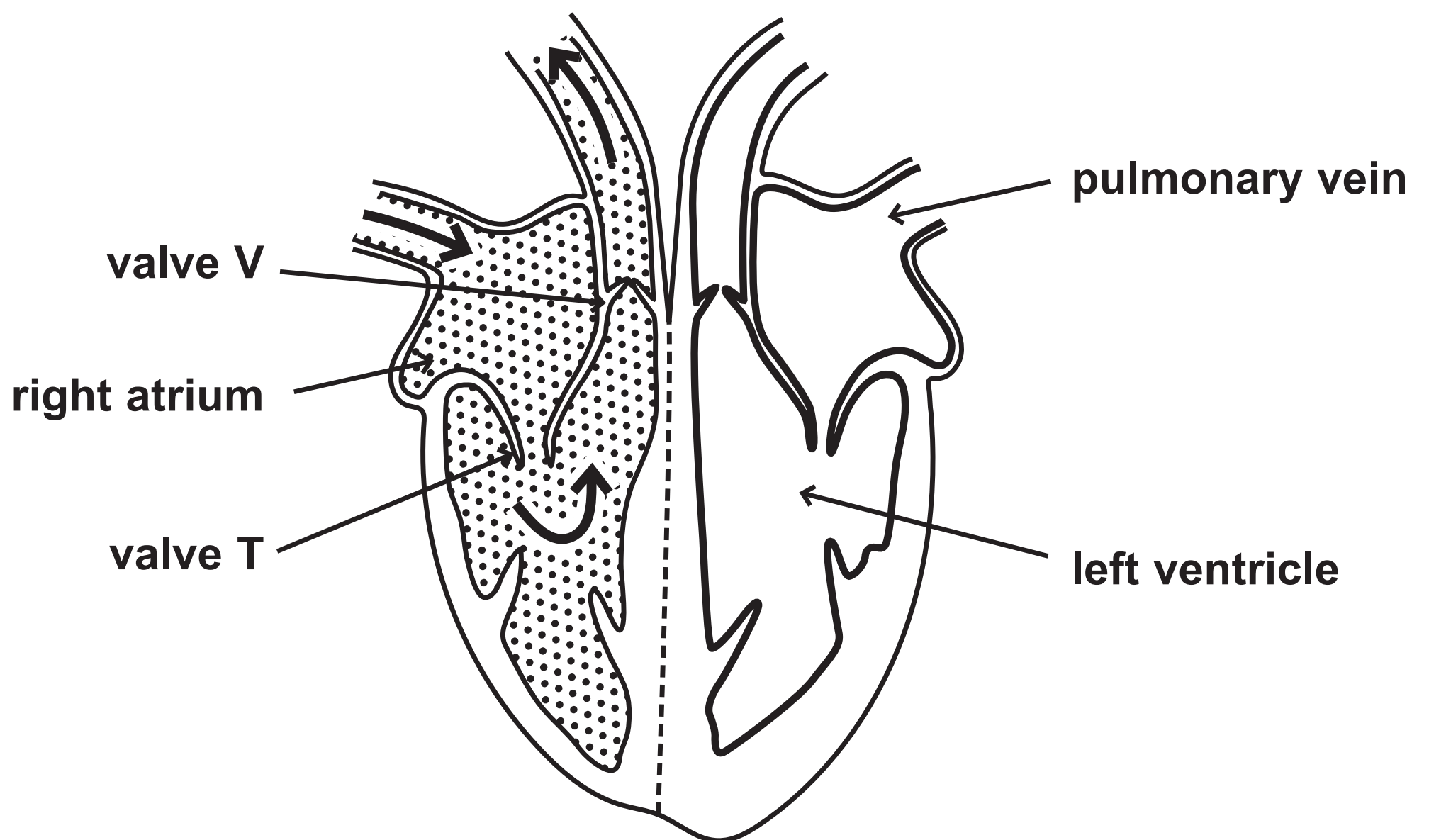
 = deoxygenated blood  = oxygenated blood



Question 1(a)

FIGURE 1

 = deoxygenated blood  = oxygenated blood



Question 1(a)(iii)

structure

function

pulmonary vein •

• carries deoxygenated blood

• forces blood towards
body organs

• carries blood from the lungs
to the heart

left ventricle •

• takes blood to the right side of
the heart

• forces blood towards
the lungs

Question 1(a)(iii)

structure

function

pulmonary vein •

• carries deoxygenated blood

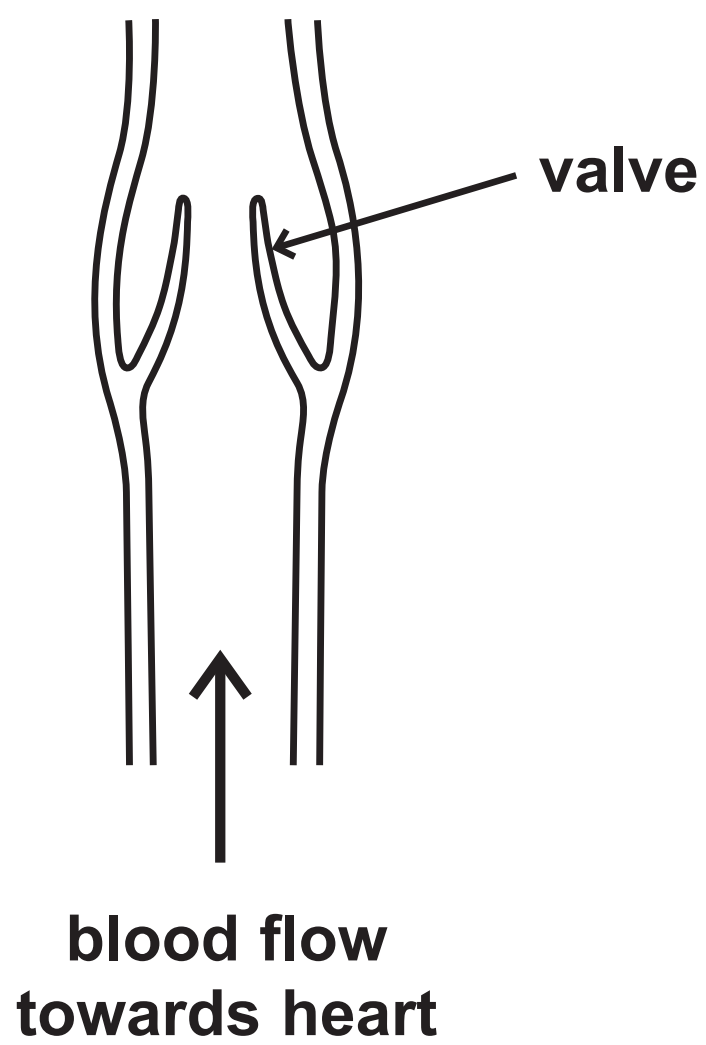
• forces blood towards
body organs

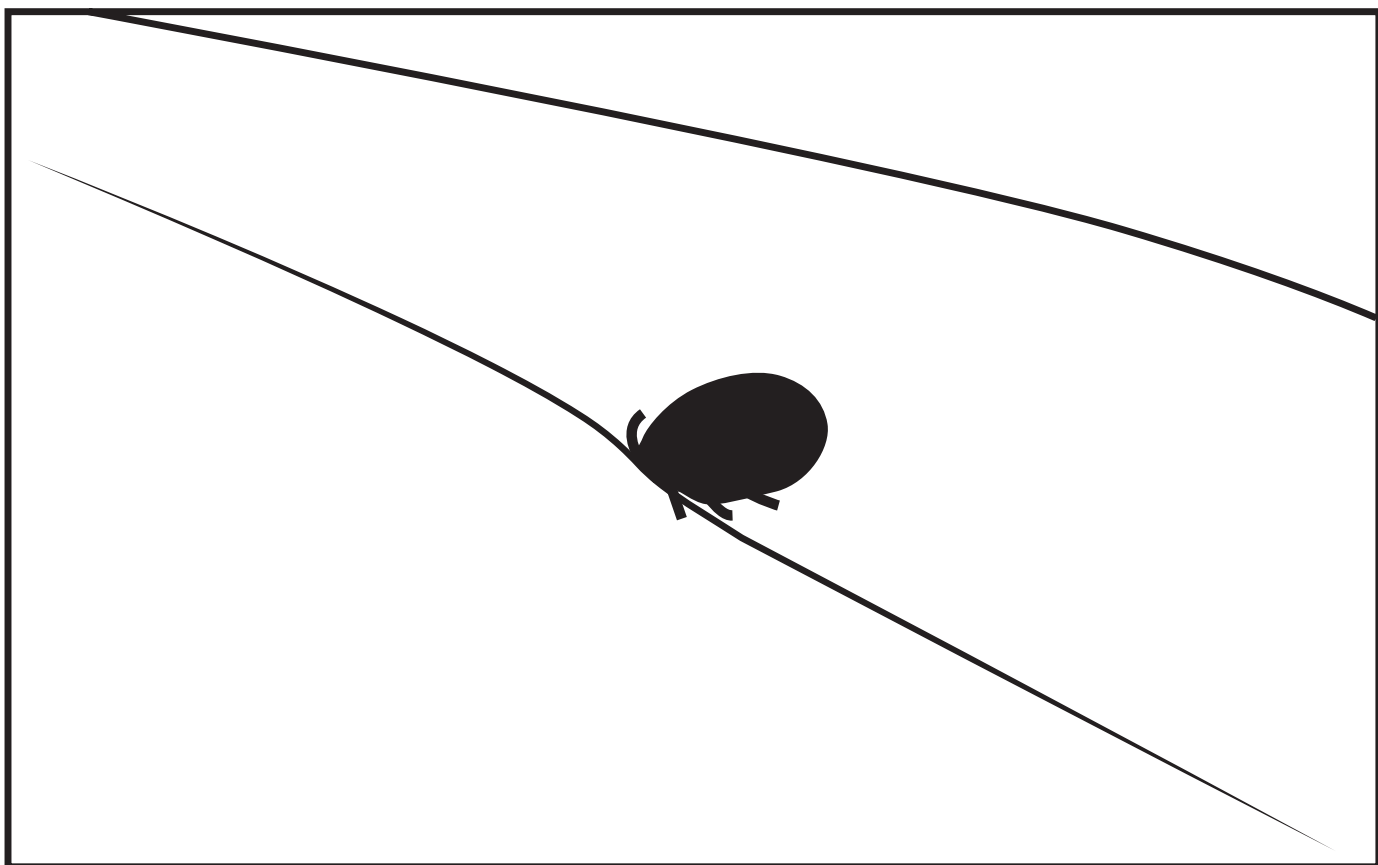
• carries blood from the lungs
to the heart

left ventricle •

• takes blood to the right side of
the heart

• forces blood towards
the lungs

Question 1(b)**FIGURE 2**

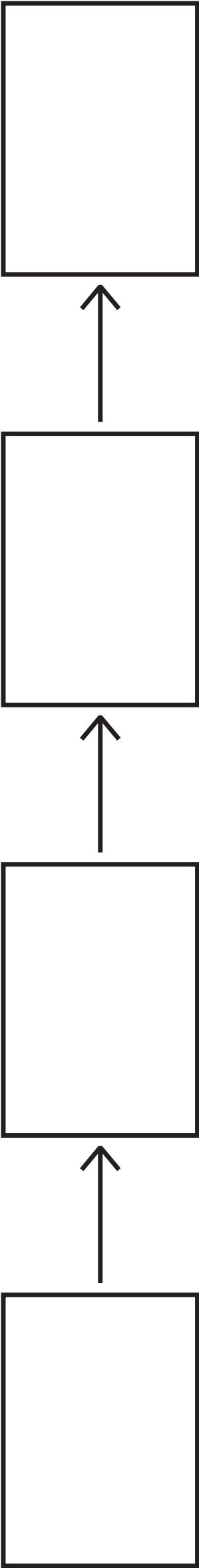
Question 2(a)**FIGURE 3**

Question 2(c)

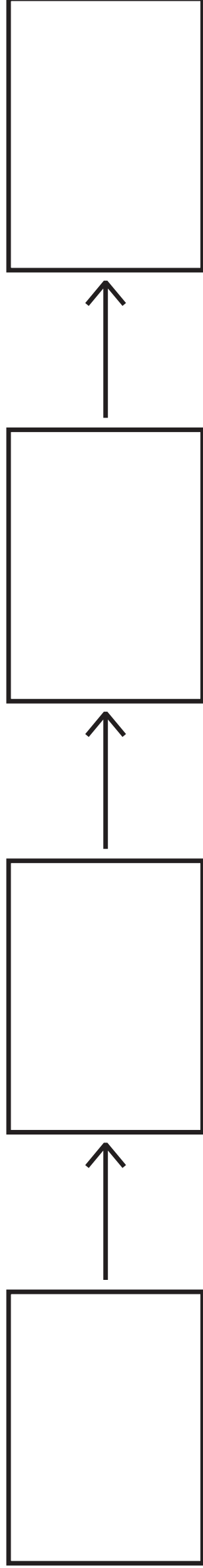
FIGURE 4



Question 2(c)(ii)

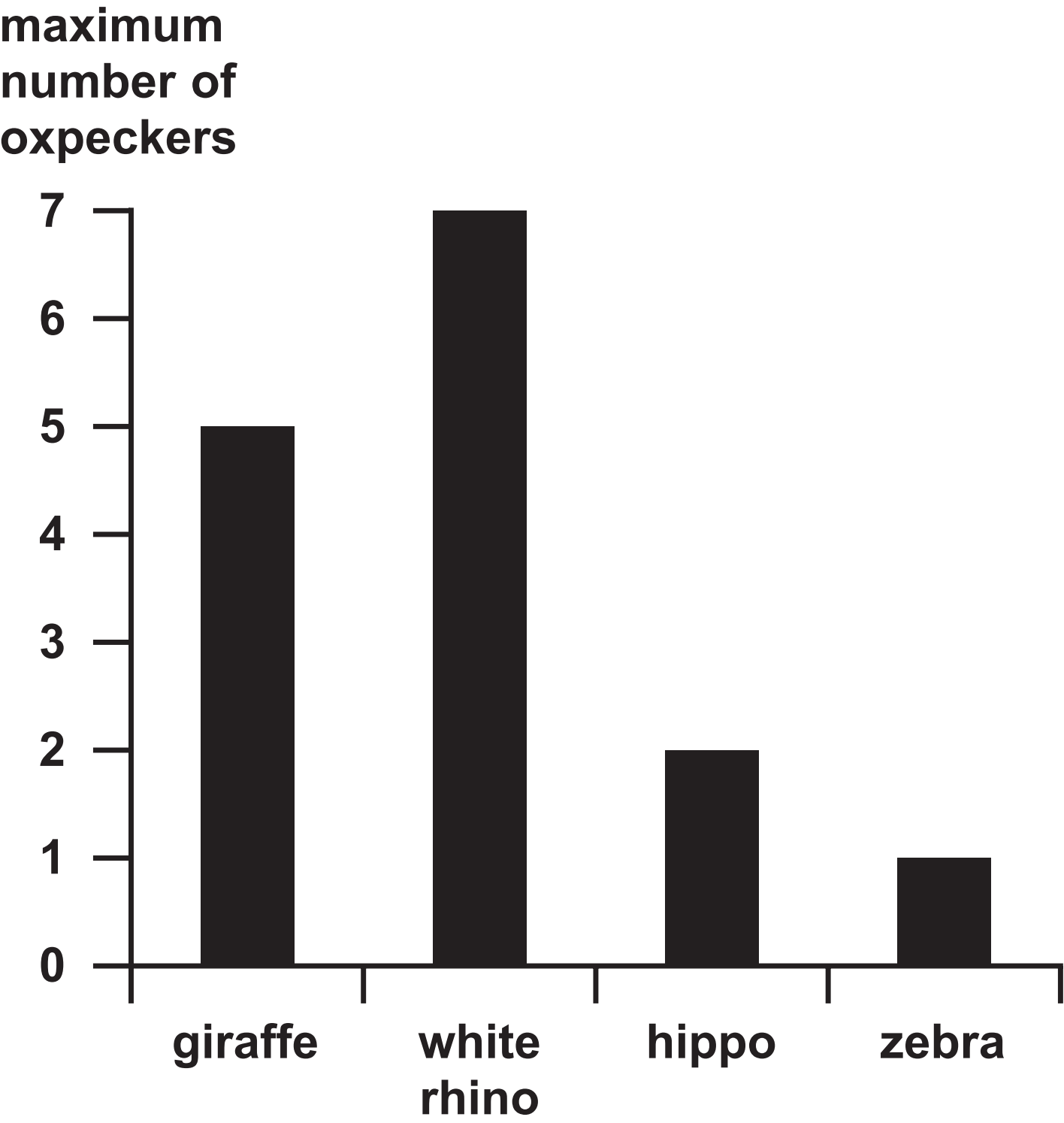


Question 2(c)(ii)



Question 2(d)

FIGURE 5



Question 3(a)

FIGURE 6

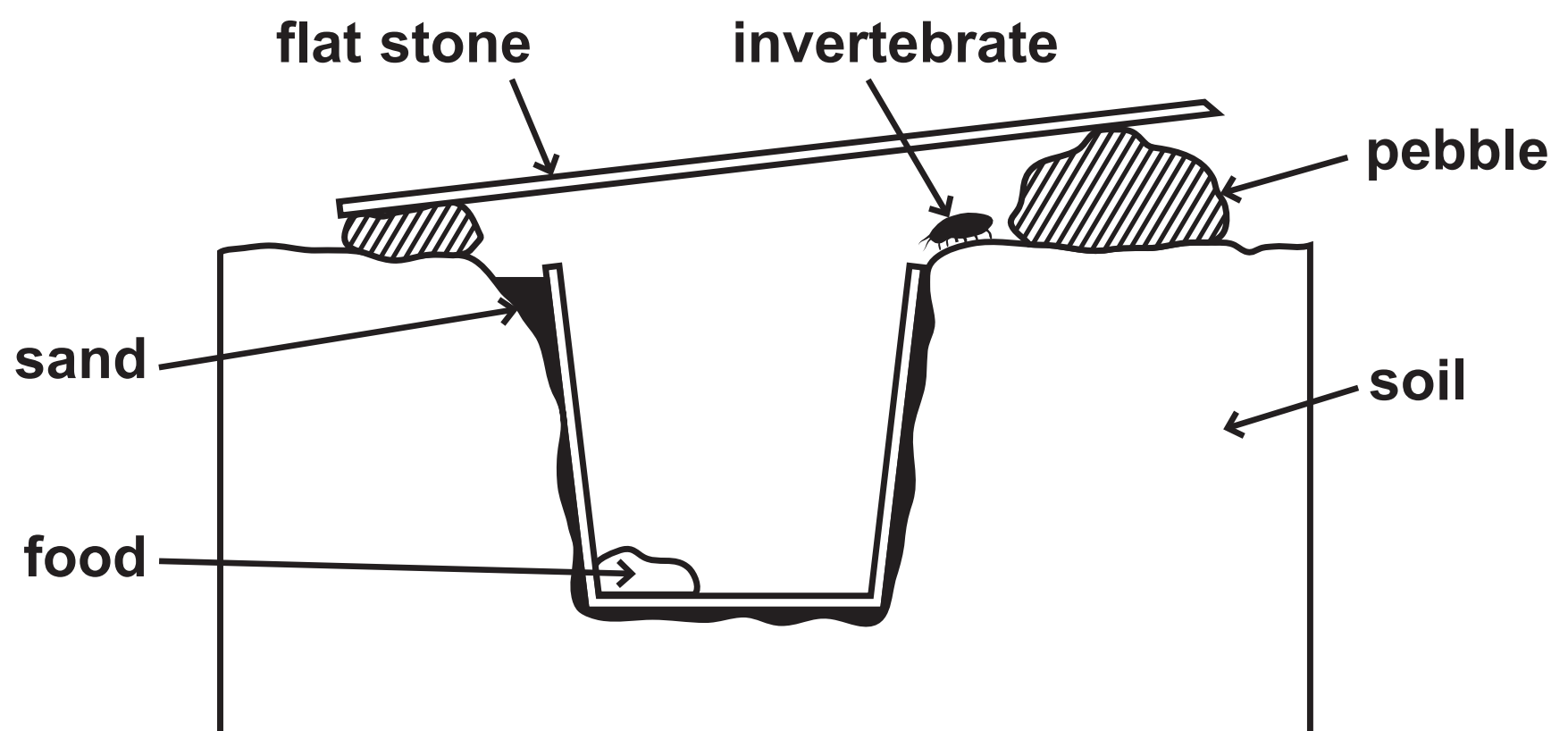





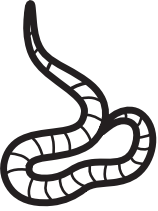
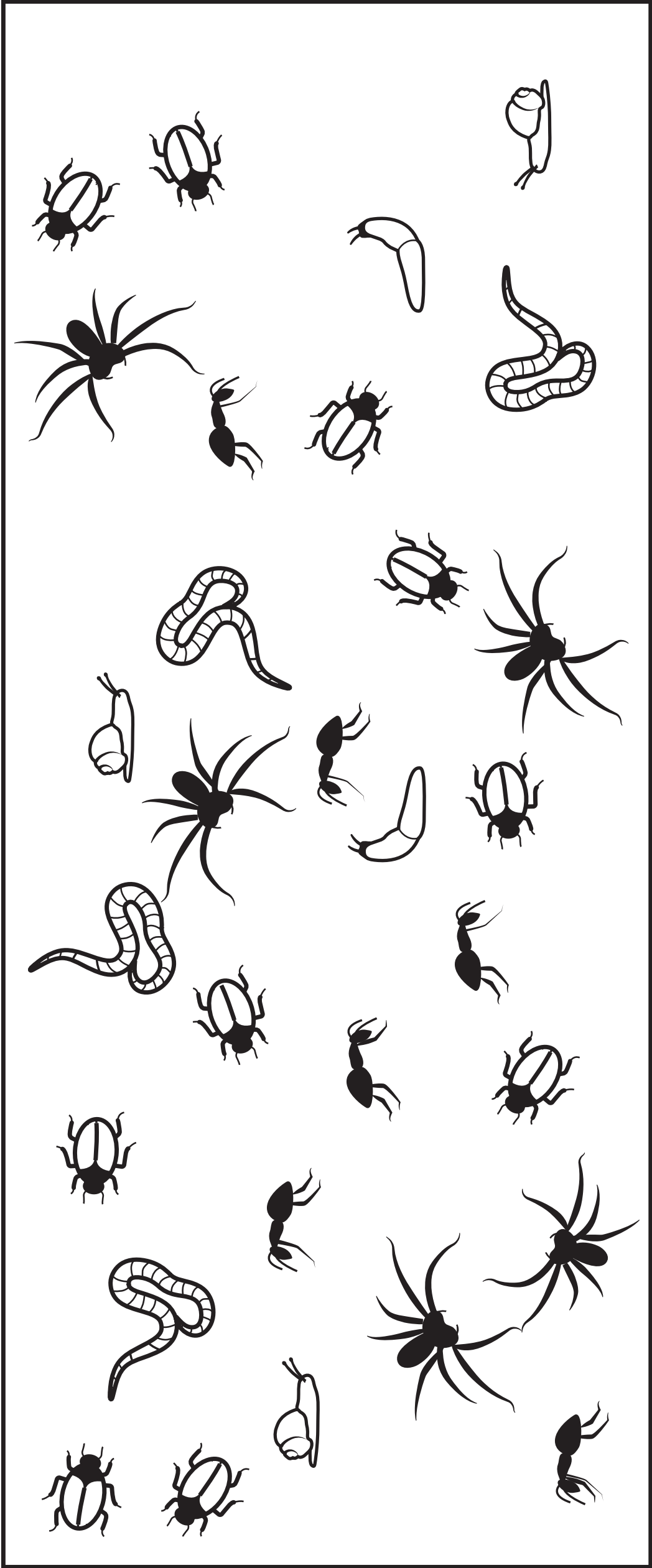


FIGURE 7

key				
				
beetle	snail	ant	spider	slug
				worm
				



Question 4(b)

FIGURE 8

person	mass in kilograms	height in metres	BMI
A	110	2·0	?
B	85	1·5	38

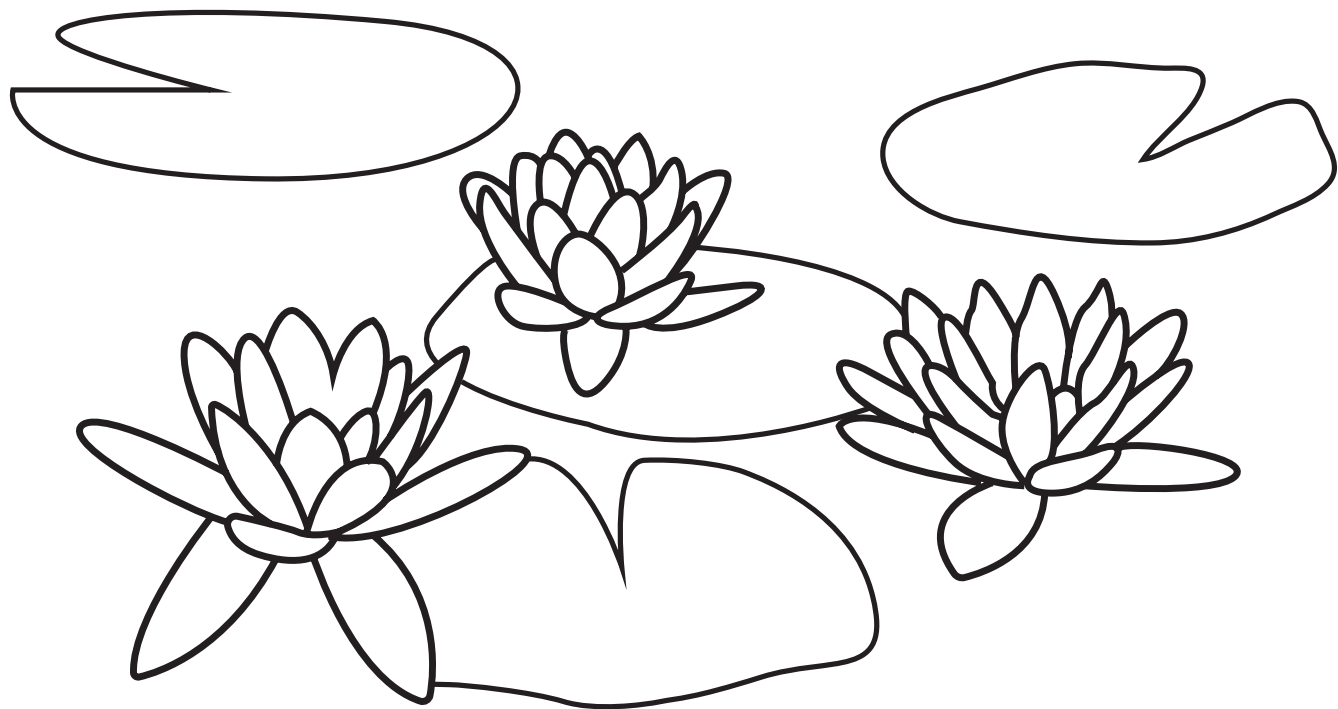
Question 4(c)(ii)

FIGURE 9

activity	speed in km per hour	respiration rate in kJ per minute
sleeping	0	3
running slowly	8	90
running quickly	12	130

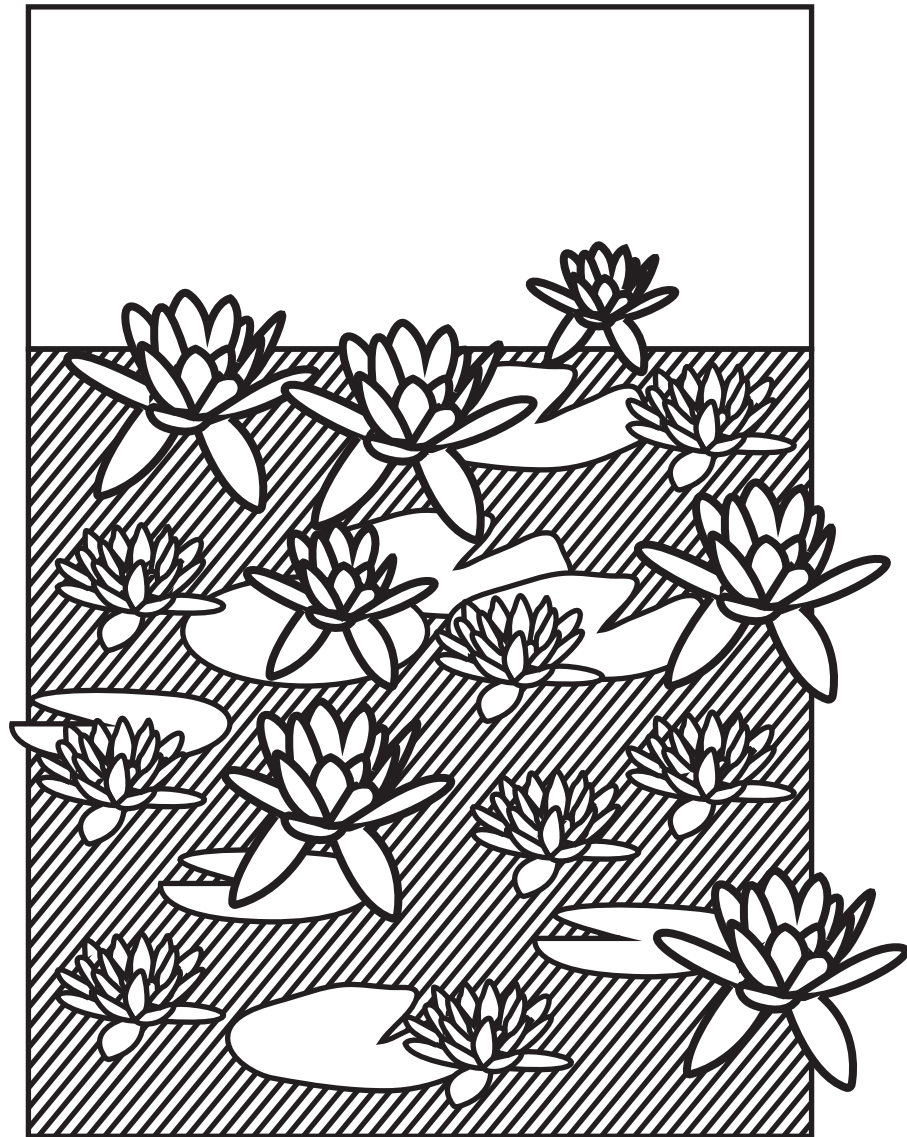
Question 5

FIGURE 10



Question 5(c)

FIGURE 11



Question 6

FIGURE 12



Question 6(b)

FIGURE 13

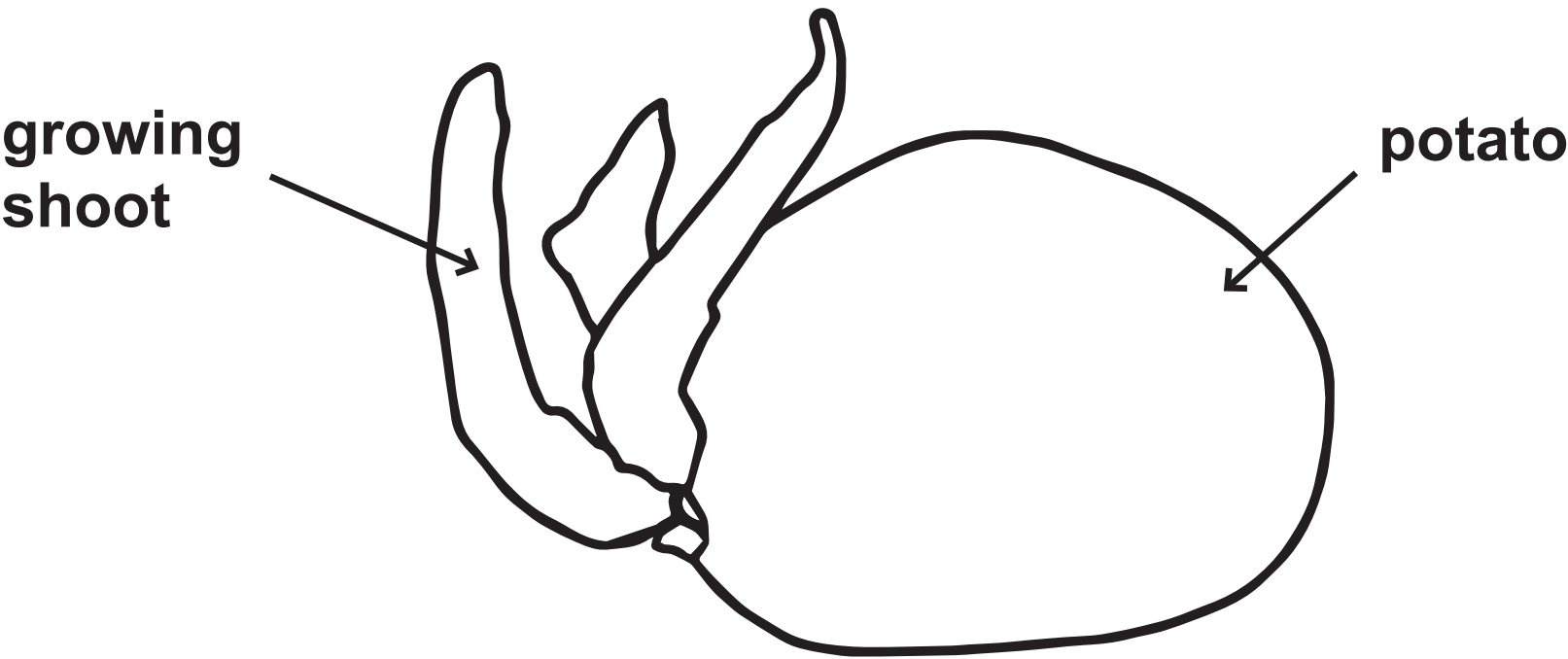
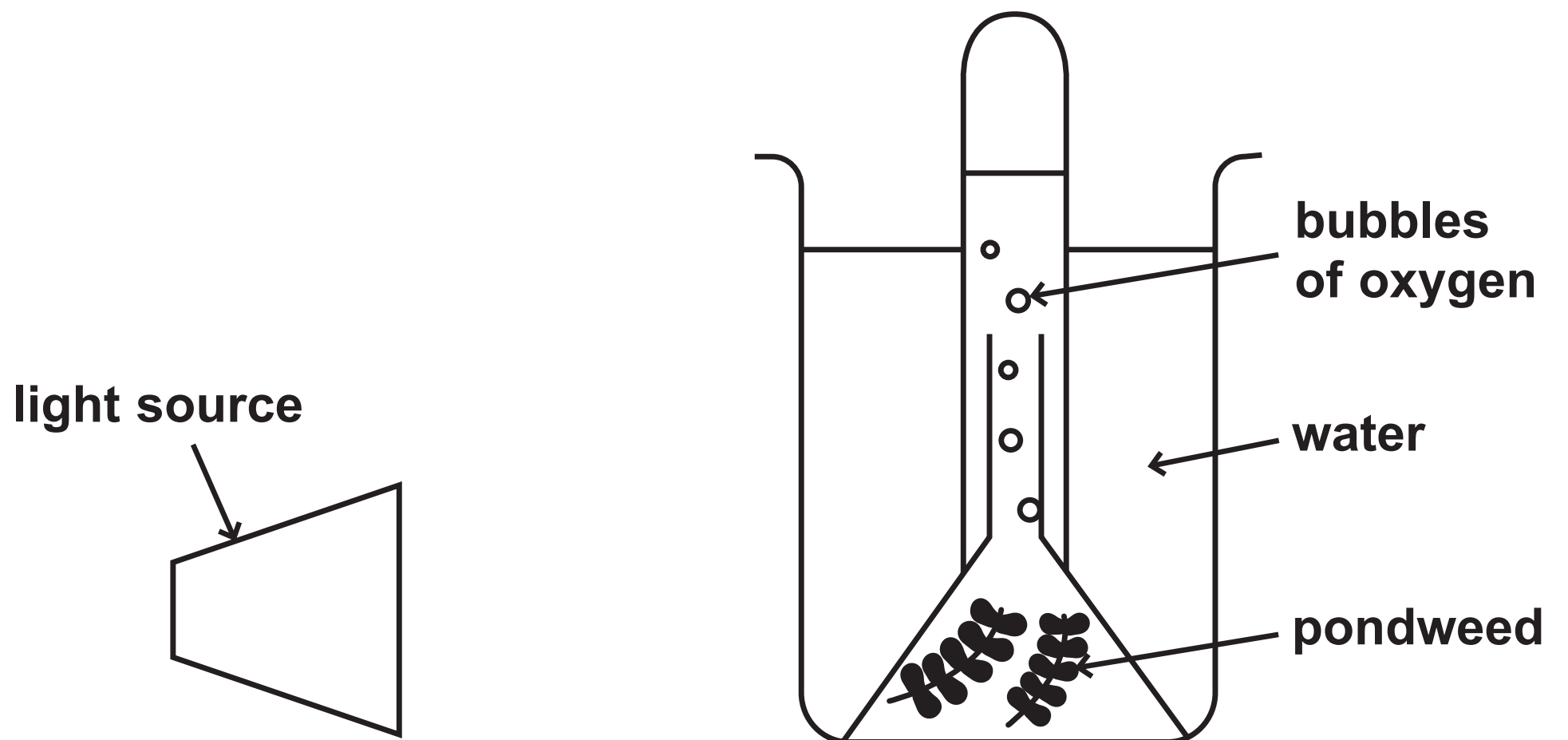


FIGURE 14

potato	time after placing in the dark in weeks	mean length of starch grains in μm
1	0	64
2	5	50
3	10	30

Question 6(c)

FIGURE 15



Question 2(a)

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Question 2(c)

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Question 5

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Question 5(c)

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Question 6(b)

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