

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

Combined Science  
Paper 4  
Foundation Tier

Monday 1 June 2020 – Afternoon

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.**

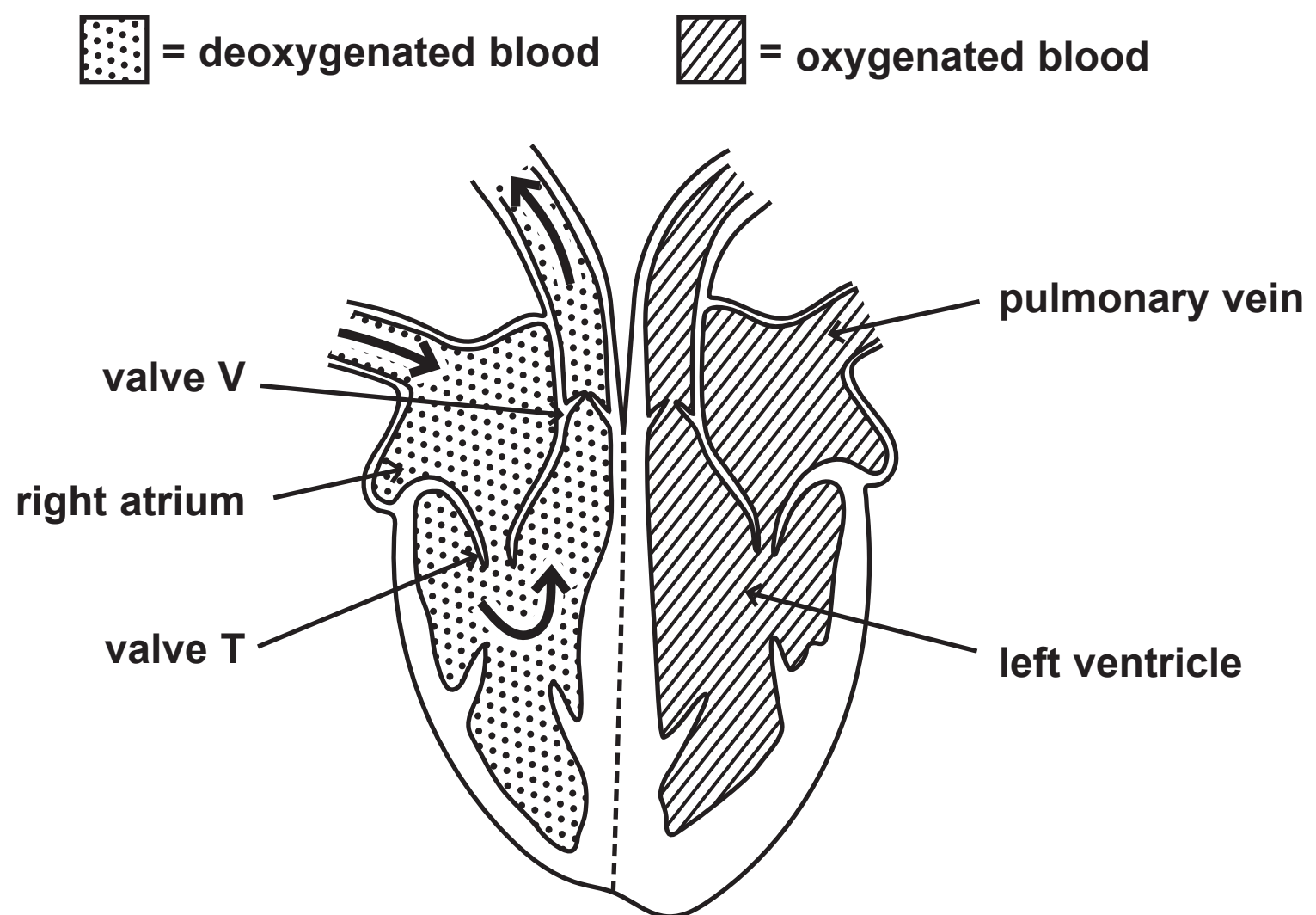
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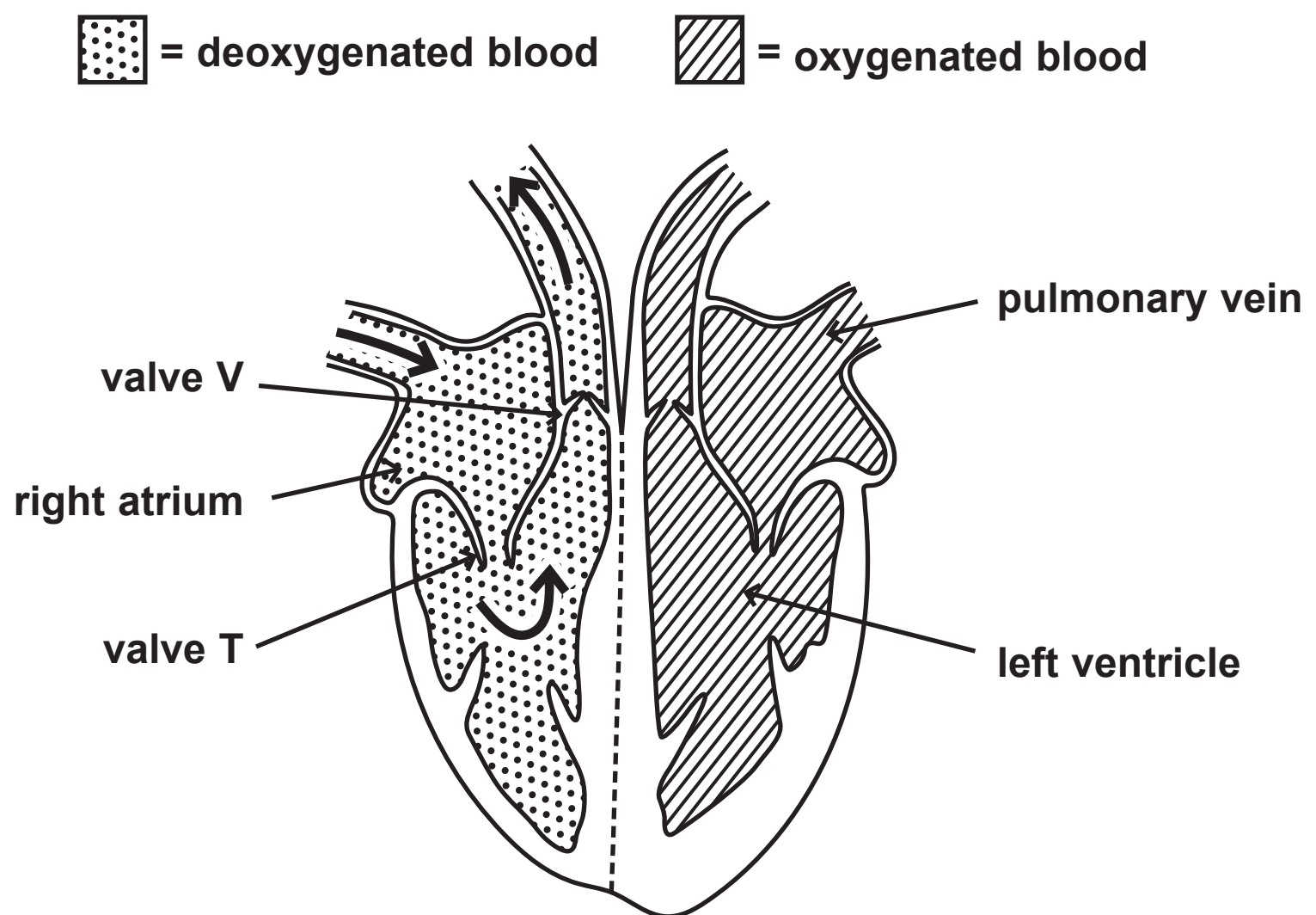
## Question 1

Figure 1



## Question 1 (Spare copy)

Figure 1



Question 1(a)(iii)

STRUCTURE

FUNCTION

pulmonary vein ●

left ventricle ●

● carries deoxygenated blood

● forces blood towards body organs

● carries blood from the lungs to the heart

● takes blood to the right side of the heart

● forces blood towards the lungs

Question 1(a)(iii) (Spare copy)

STRUCTURE

FUNCTION

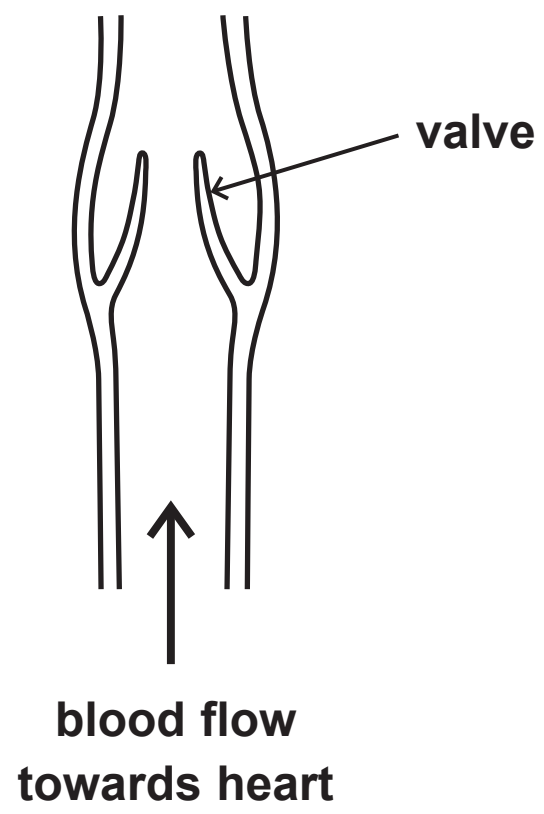
pulmonary vein ●

left ventricle ●

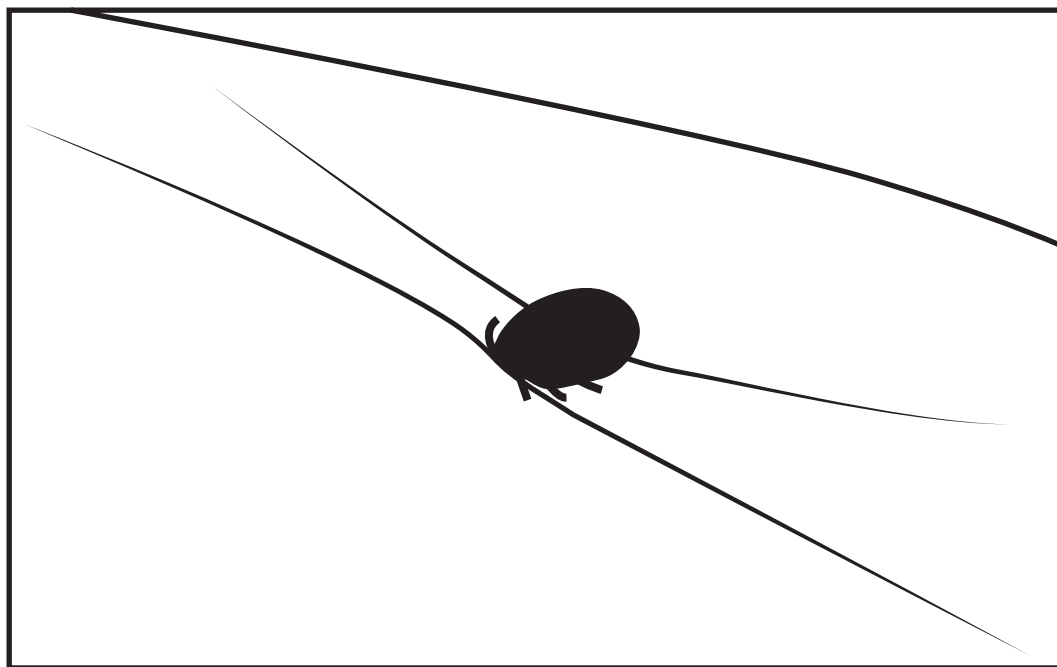
- carries deoxygenated blood
- forces blood towards body organs
- carries blood from the lungs to the heart
- takes blood to the right side of the heart
- forces blood towards the lungs

## Question 1(b)

Figure 2



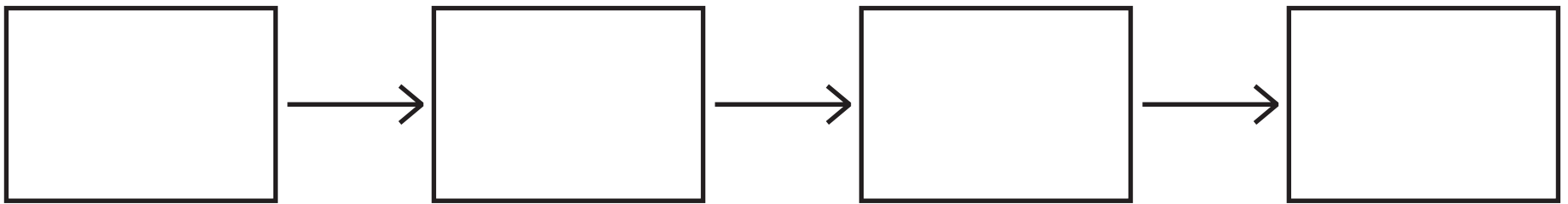


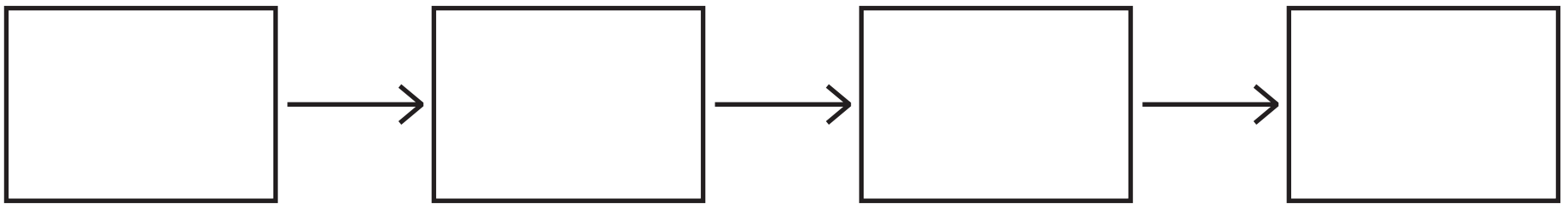
**Question 2(a)****Figure 3**

## Question 2(c)

Figure 4



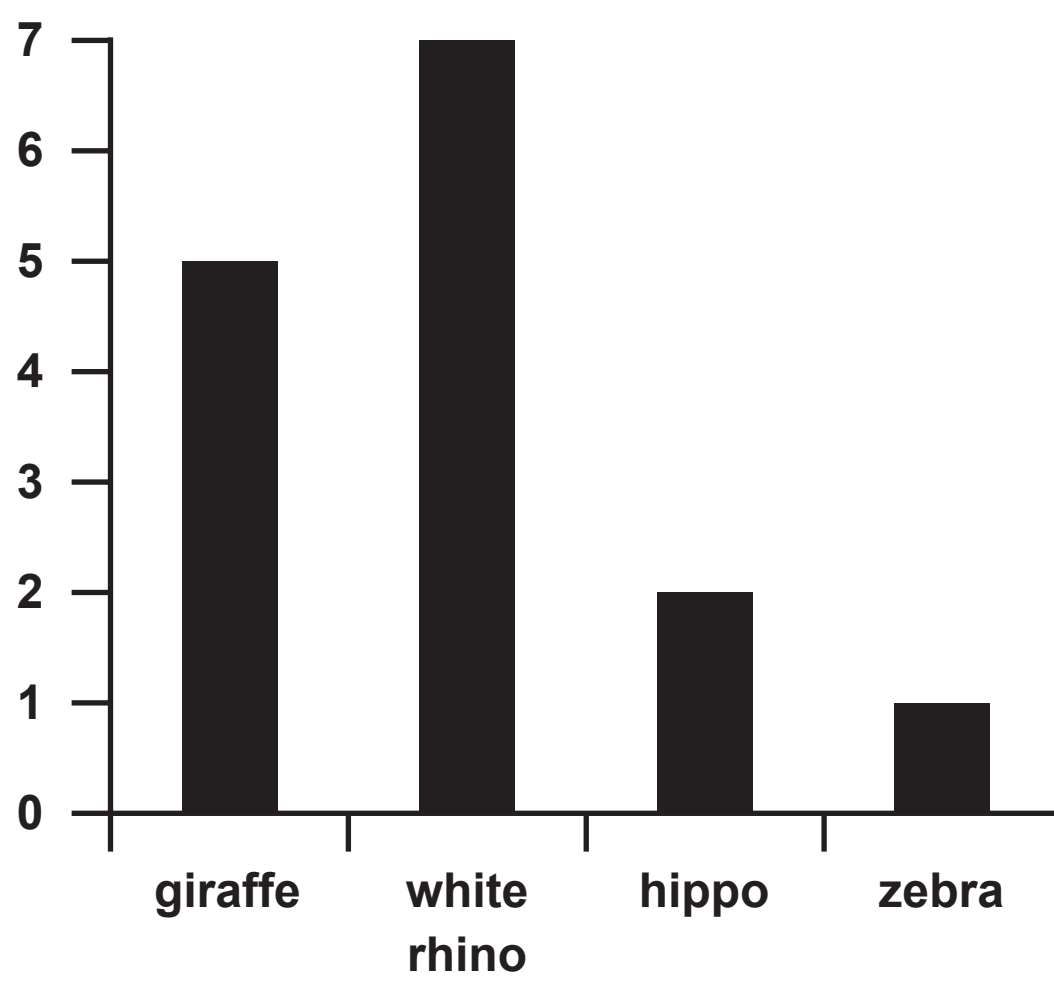
**Question 2(c)(ii)**

**Question 2(c)(ii) (Spare copy)**

## Question 2(d)

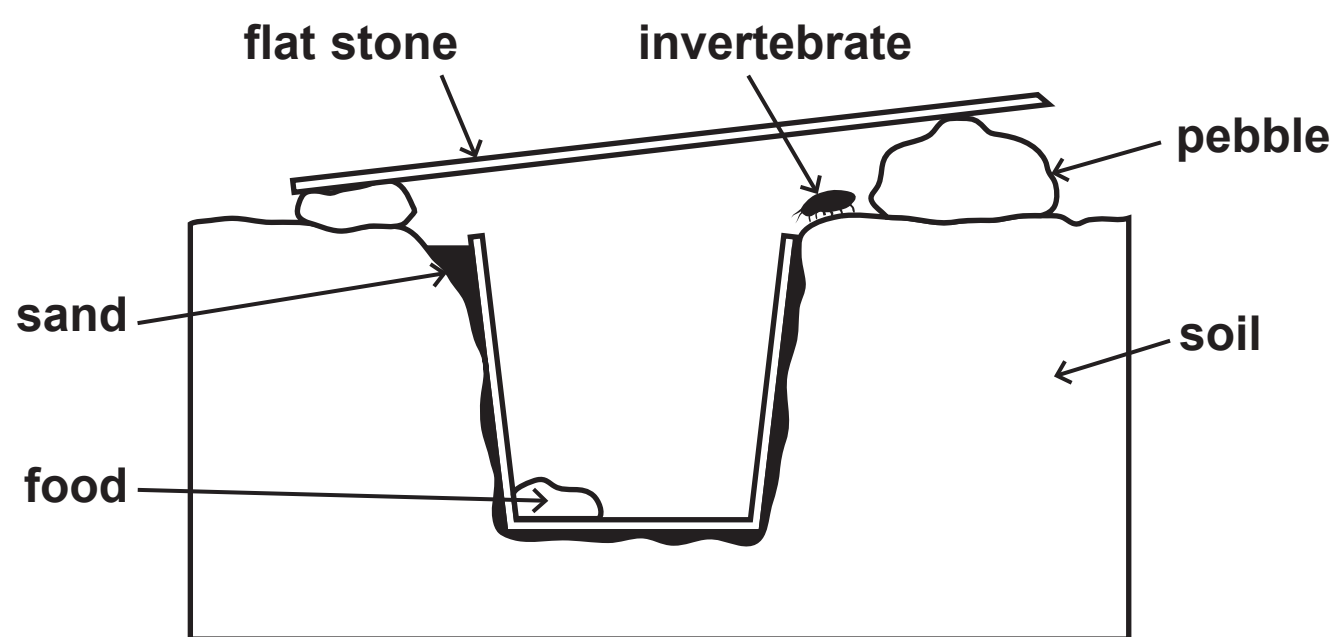
Figure 5

maximum  
number of  
oxpeckers



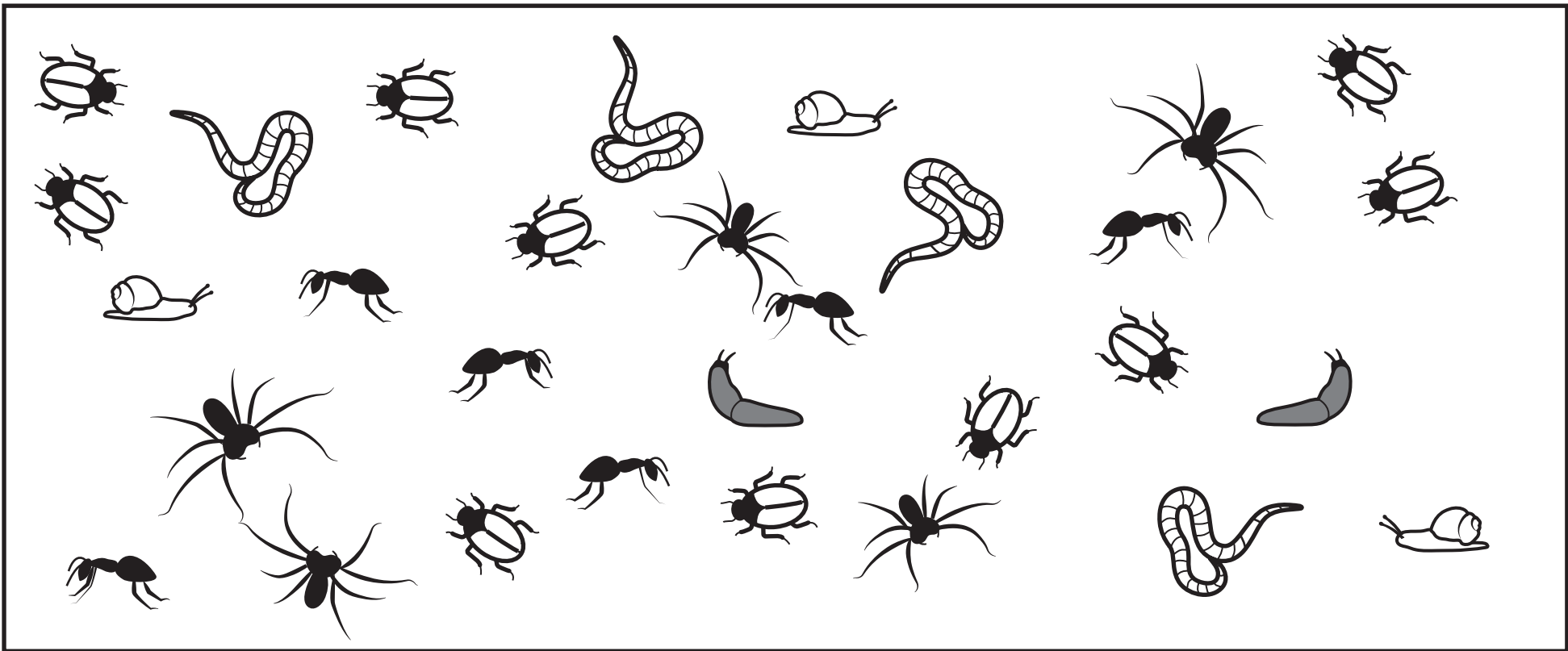
## Question 3(a)







Figure 6



Question 3(b)

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



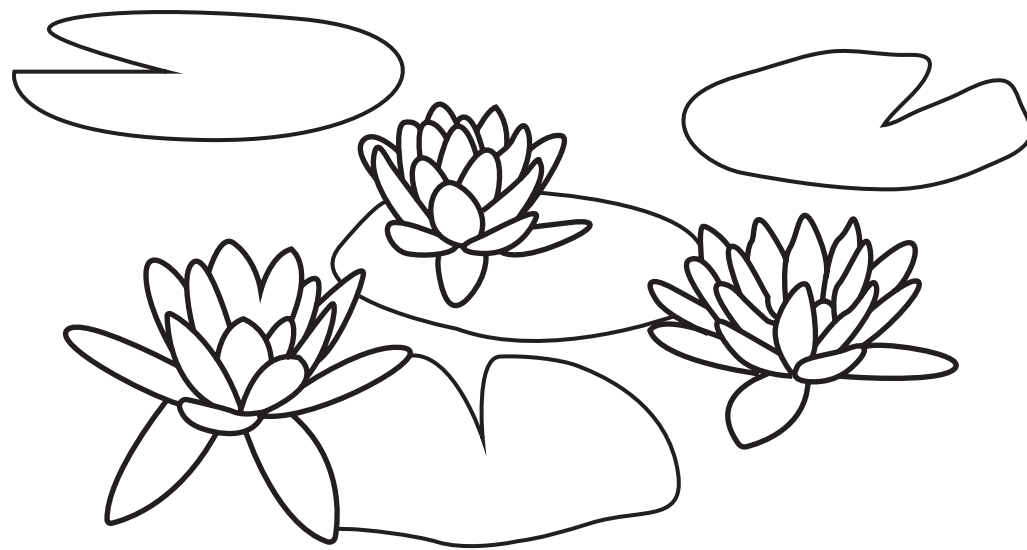
Question 4(c)(ii)

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

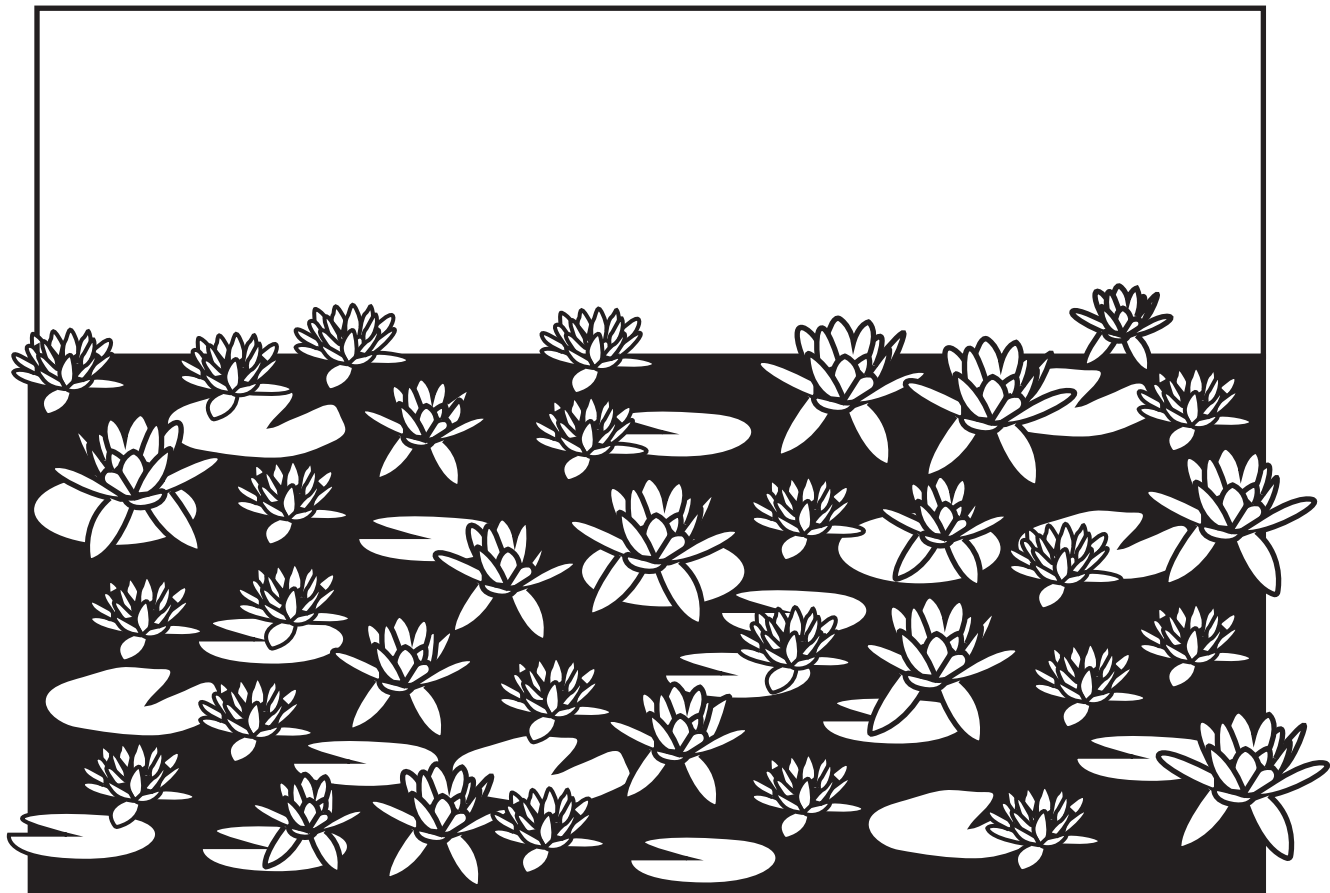
## Question 5

Figure 10



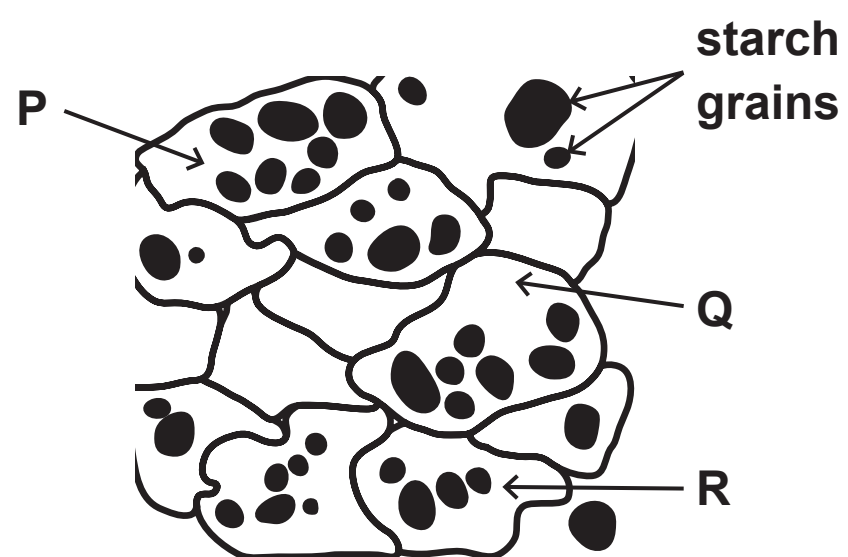
## Question 5(c)

Figure 11



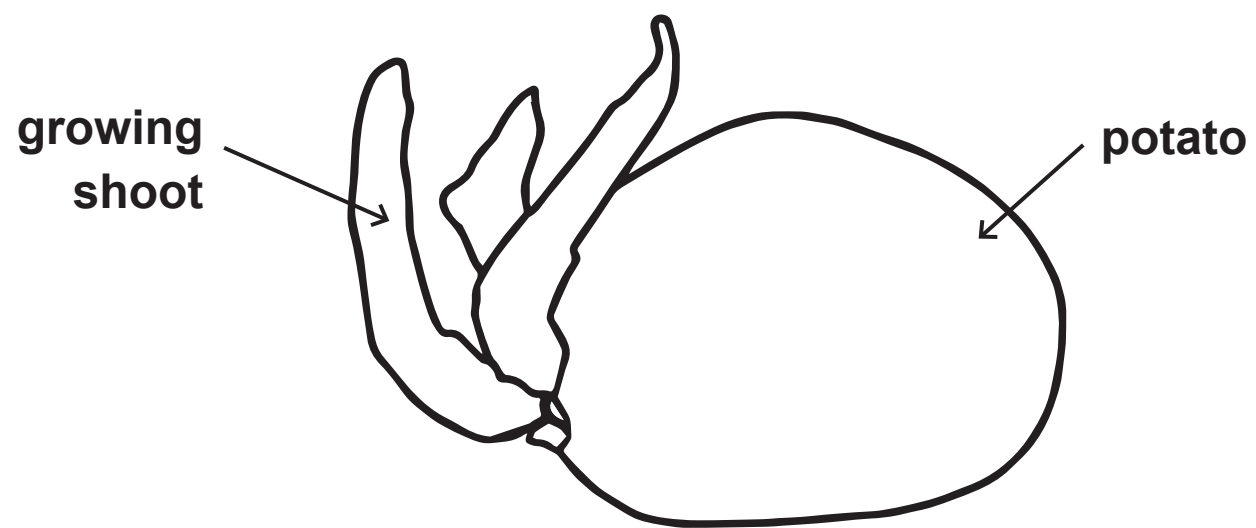
## Question 6

Figure 12



## Question 6(b)

Figure 13



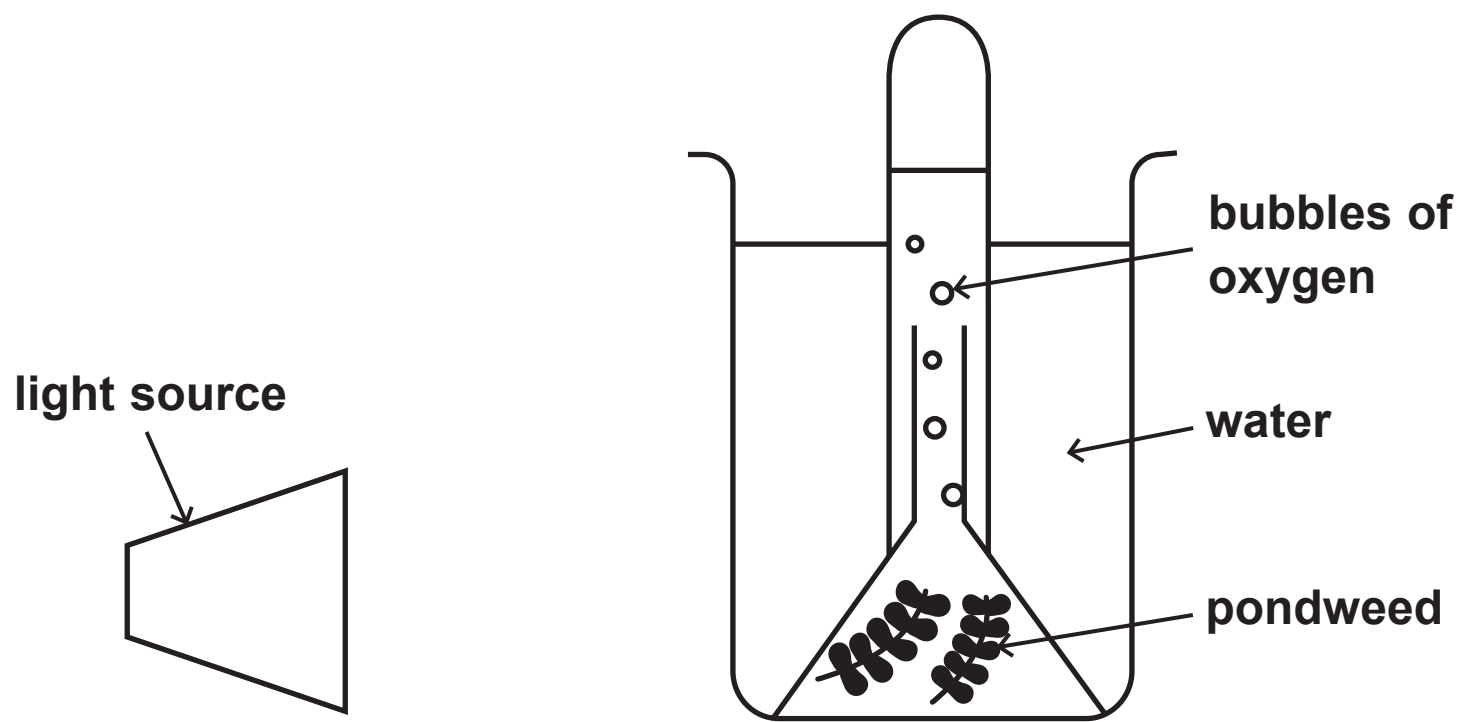
Question 6(b)

Figure 14

potato	time after placing in the dark in weeks	mean length of starch grains in $\mu\text{m}$
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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