

Biology
UNIT: 4BI1
PAPER: 2BR

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.

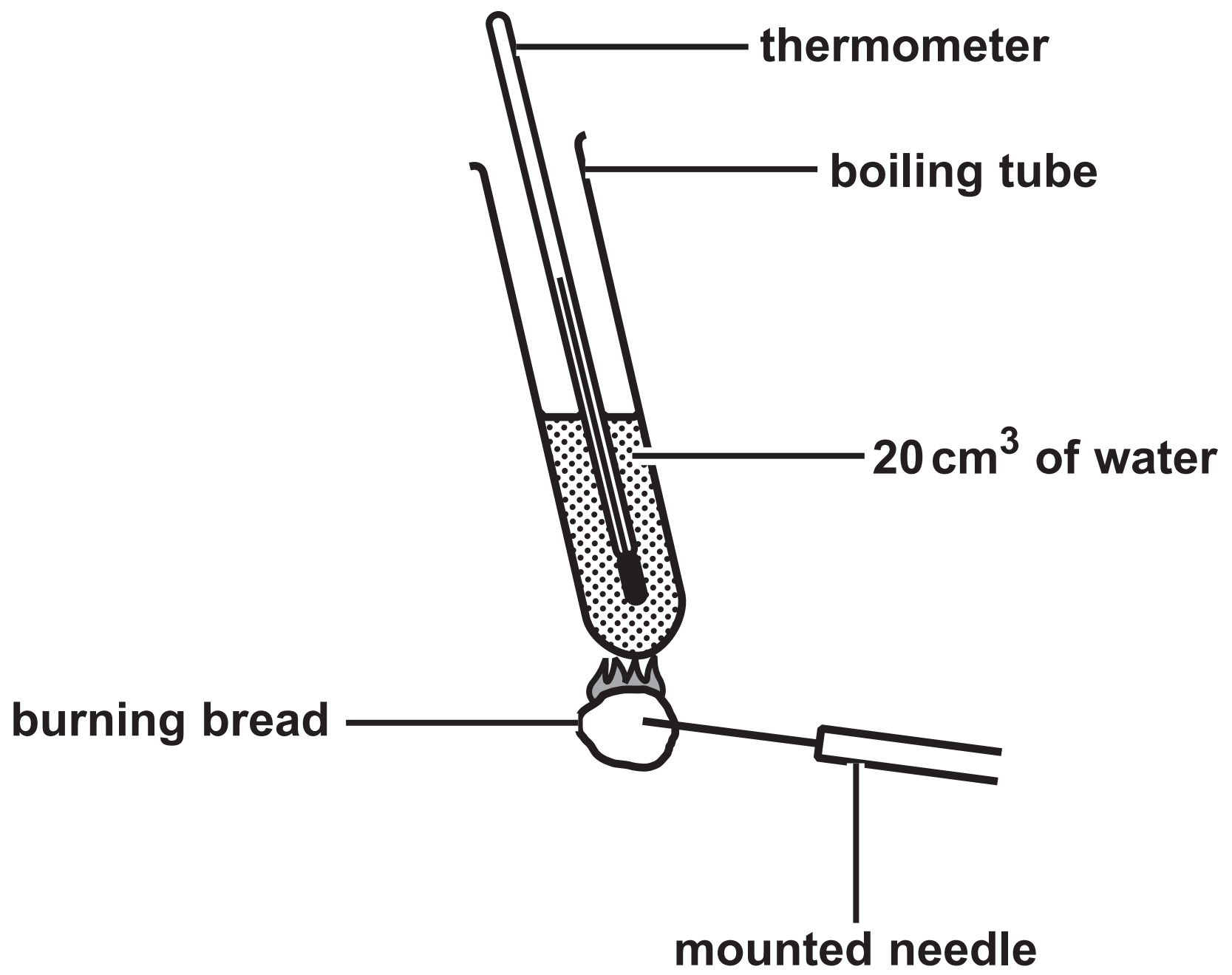
THIS DIAGRAM BOOKLET MUST BE RETURNED WITH THE QUESTION PAPER AT THE END OF THE EXAMINATION.

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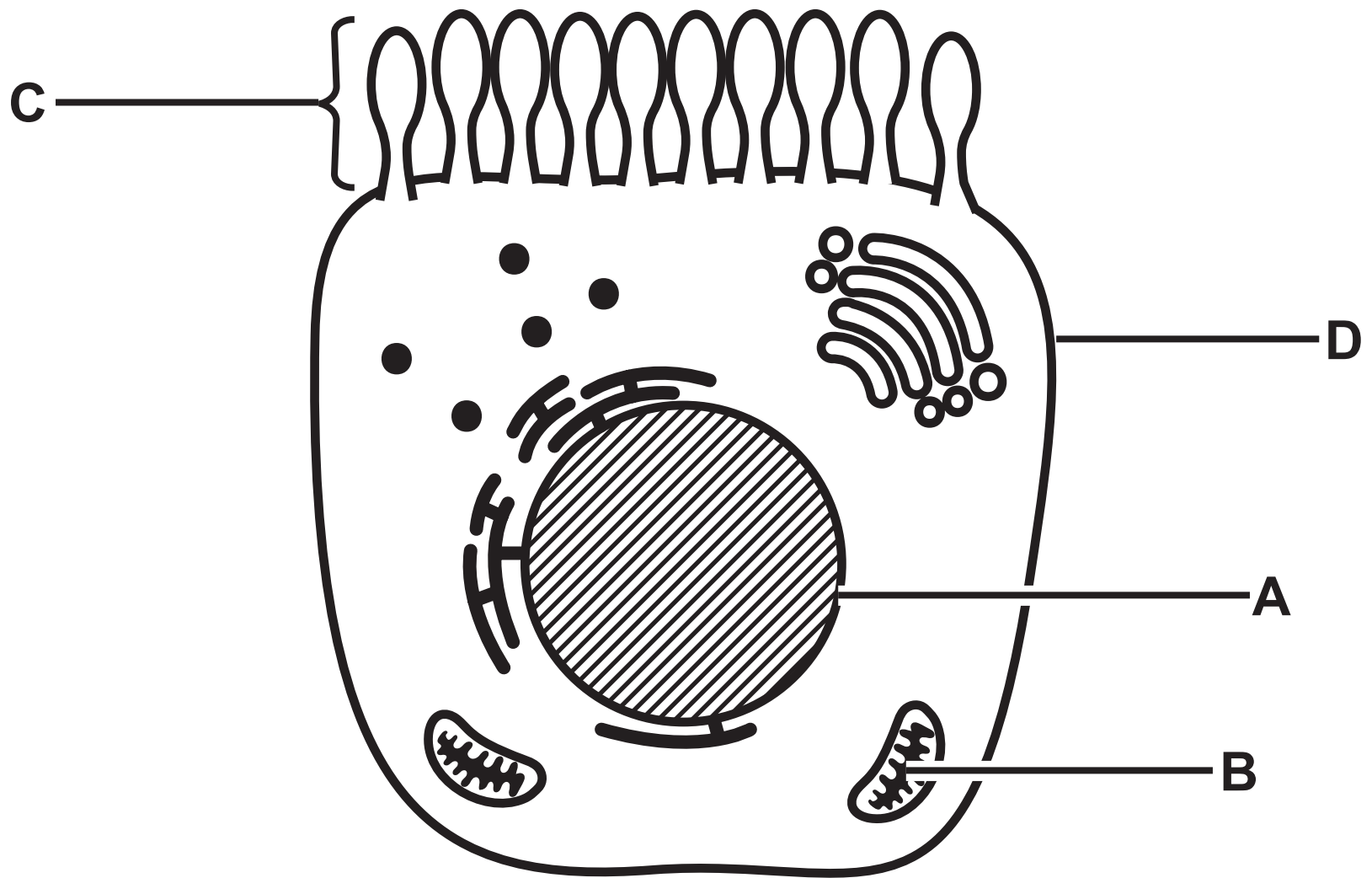
Question 2



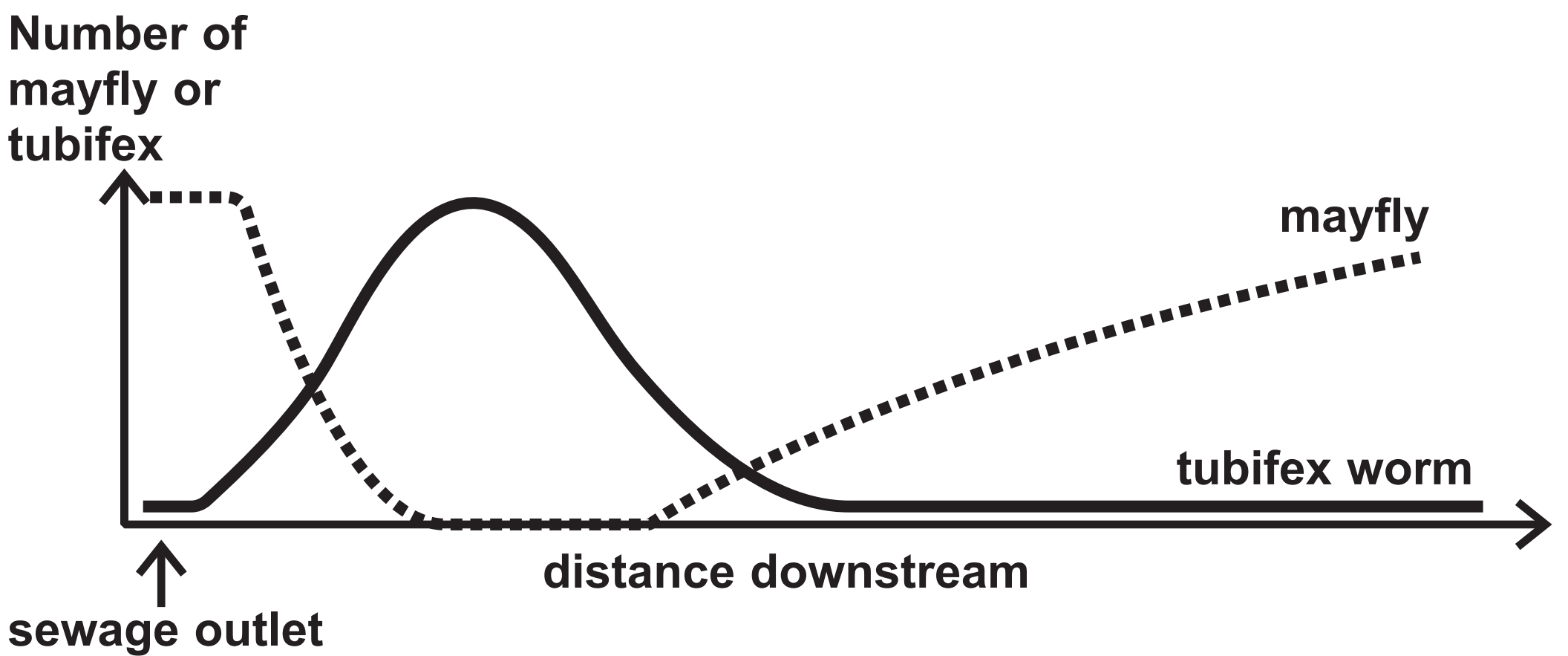
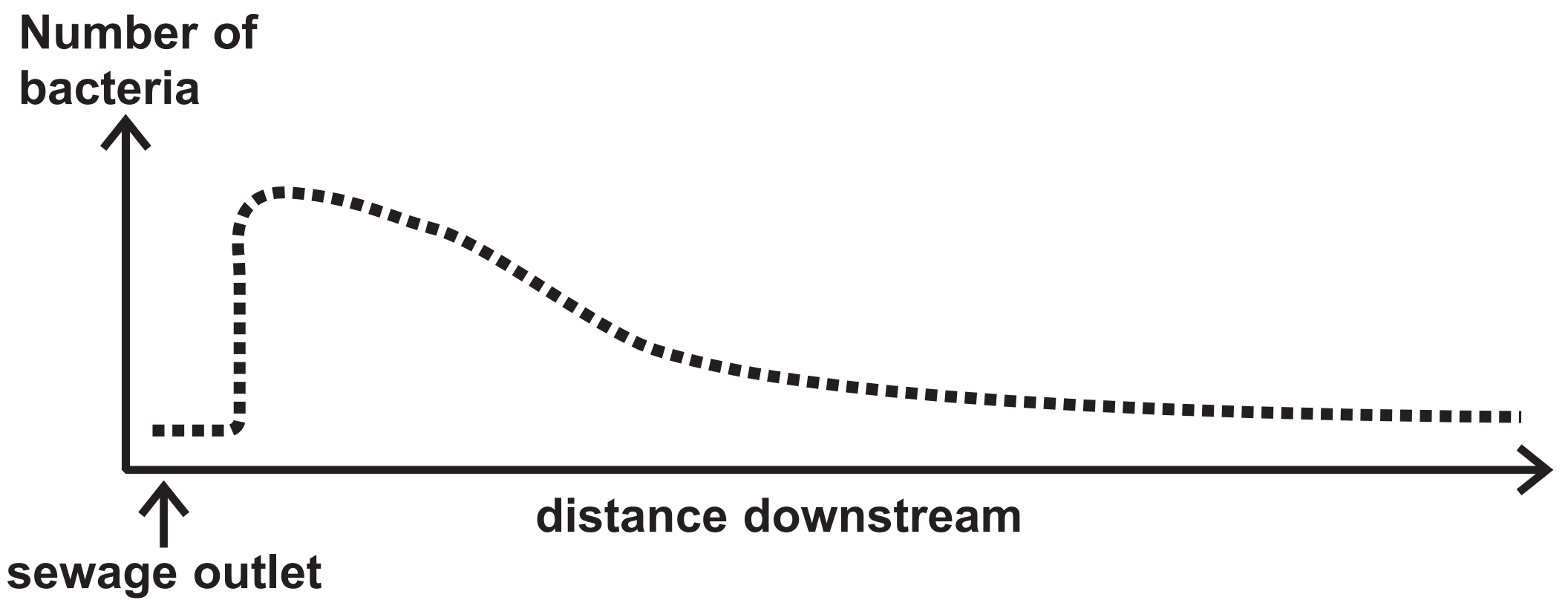
Question 2

Initial temperature of water in °C	Final temperature of water in °C	Increase in water temperature in °C	Energy released in J	Mass of bread sample in g	Energy released by 1 g of bread in J
20	33	13	1092	0.25	4368
20	34	14	1176	0.30	3920
21	36			0.20	

Question 3(a)



Question 4



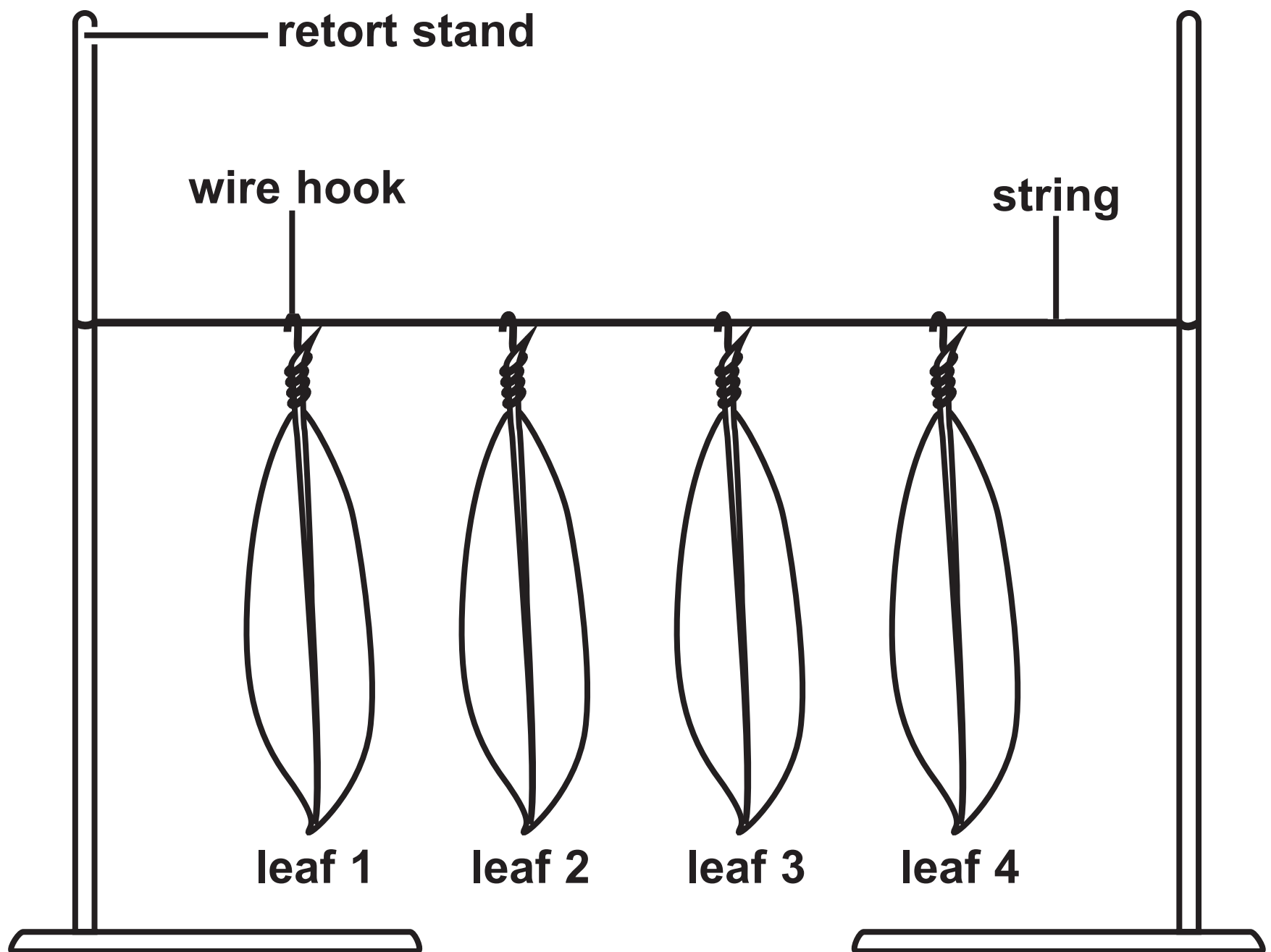
Question 5(a)

Hormone	Organ that releases hormone	Location of target cells	Effect on target cells and tissues
FSH			growth of follicle
LH	pituitary	ovaries	
progesterone	ovaries	uterus	
	testes		growth of body hair

Question 5(a)

Hormone	Organ that releases hormone	Location of target cells	Effect on target cells and tissues
FSH			growth of follicle
LH	pituitary	ovaries	
progesterone	ovaries	uterus	
	testes		growth of body hair

Question 7(a)



Question 7(b)

Leaf	Surface covered	Initial mass in g	Final mass in g	Percentage change in mass (%)
1	upper surface	3·2	2·4	25
2	lower surface	3·2	3·0	6·3
3	both	3·1	3·0	
4	none	3·1	2·2	29

SOURCE INFORMATION

Question 3

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