

Biology A (Salters Nuffield)
Advanced
PAPER 2: Energy, Exercise and Coordination

Friday 13 June 2025 – Morning

Time: 2 hours

Diagram Booklet

THIS DOCUMENT **MUST** BE RETURNED TO
PEARSON AT THE END OF THE EXAMINATION

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

INSTRUCTIONS

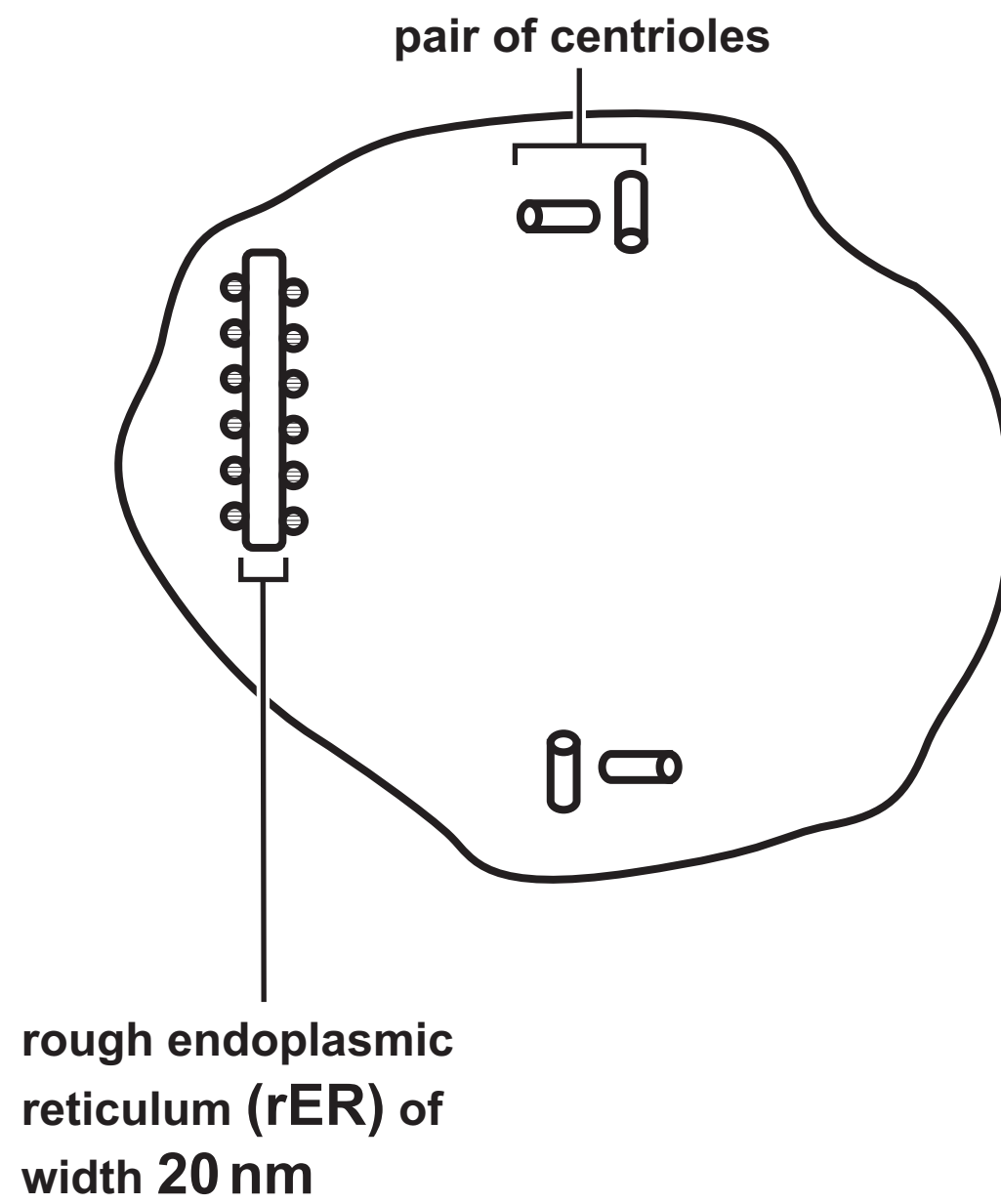
There may be spare copies of some diagrams.

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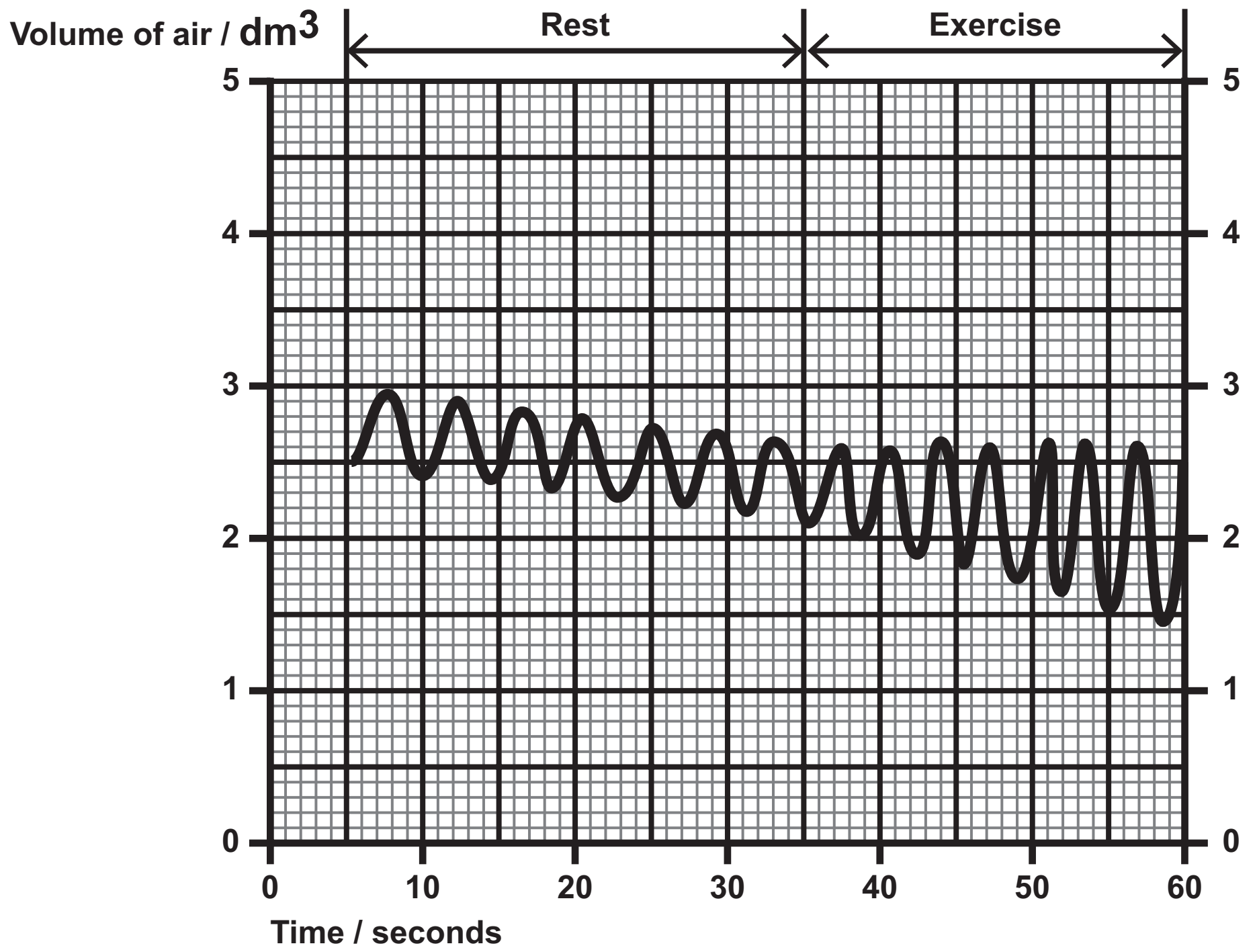
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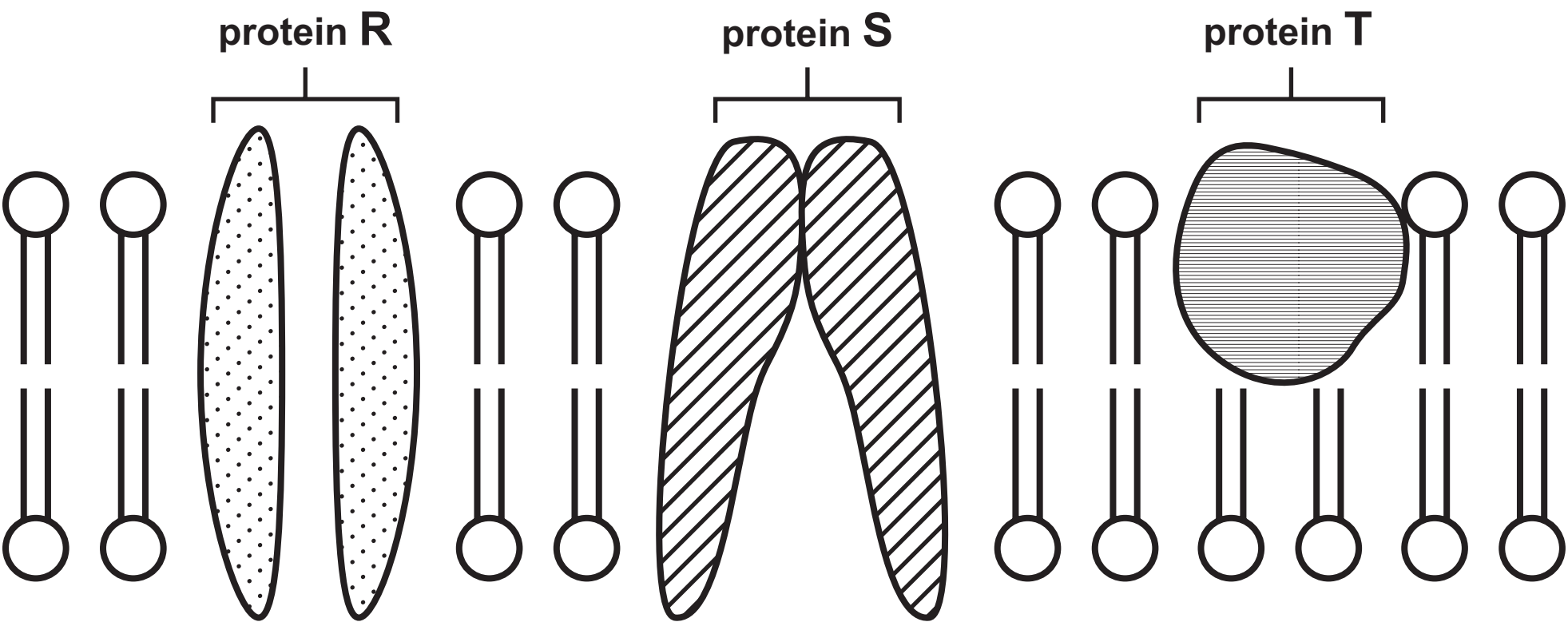
Question 1(a)



Question 2(b)

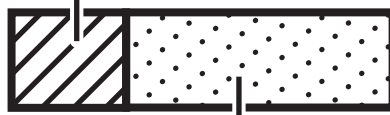


Question 3



Question 3(a)

hydrophilic component



hydrophobic component

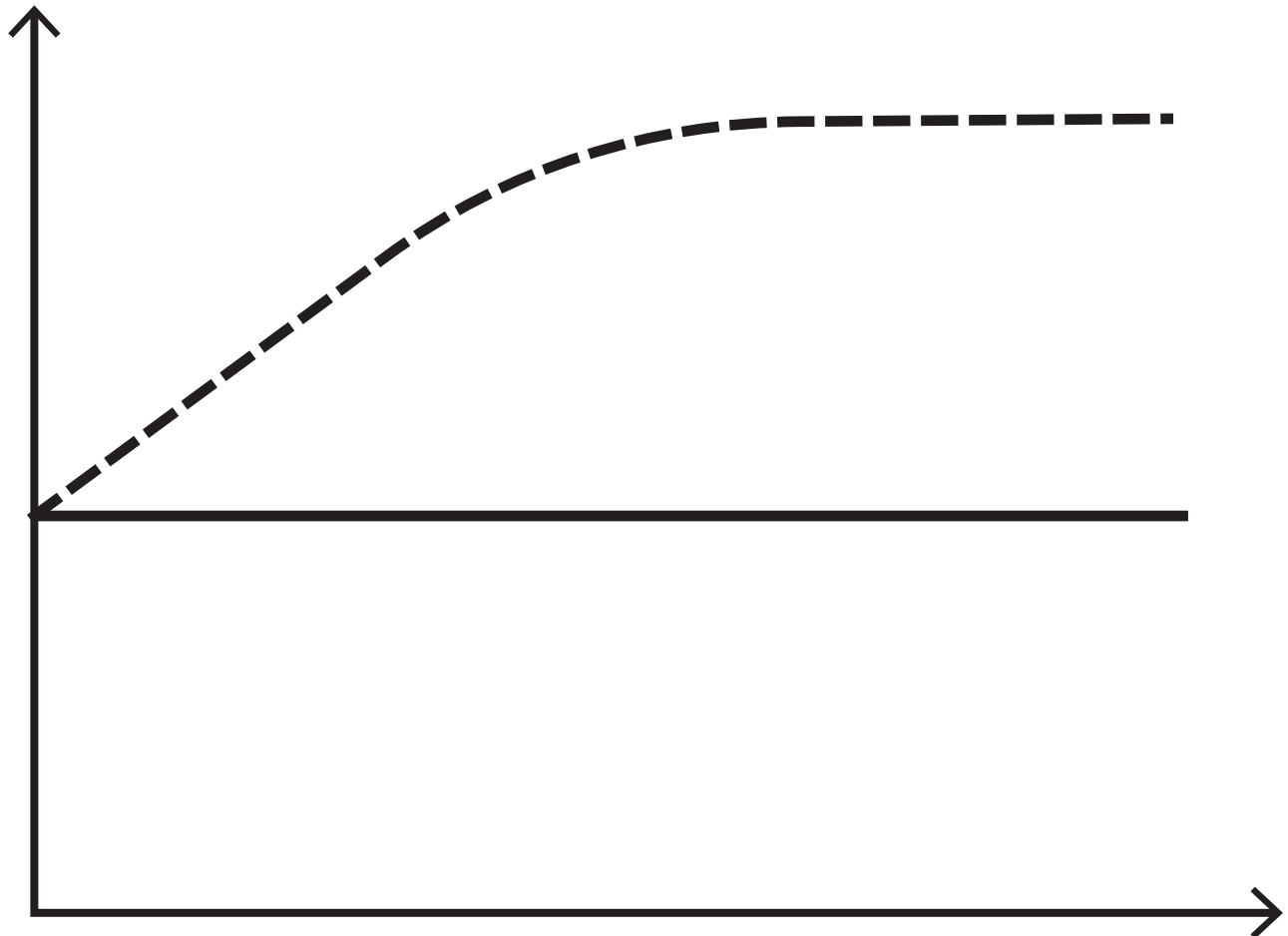
Question 3(b)

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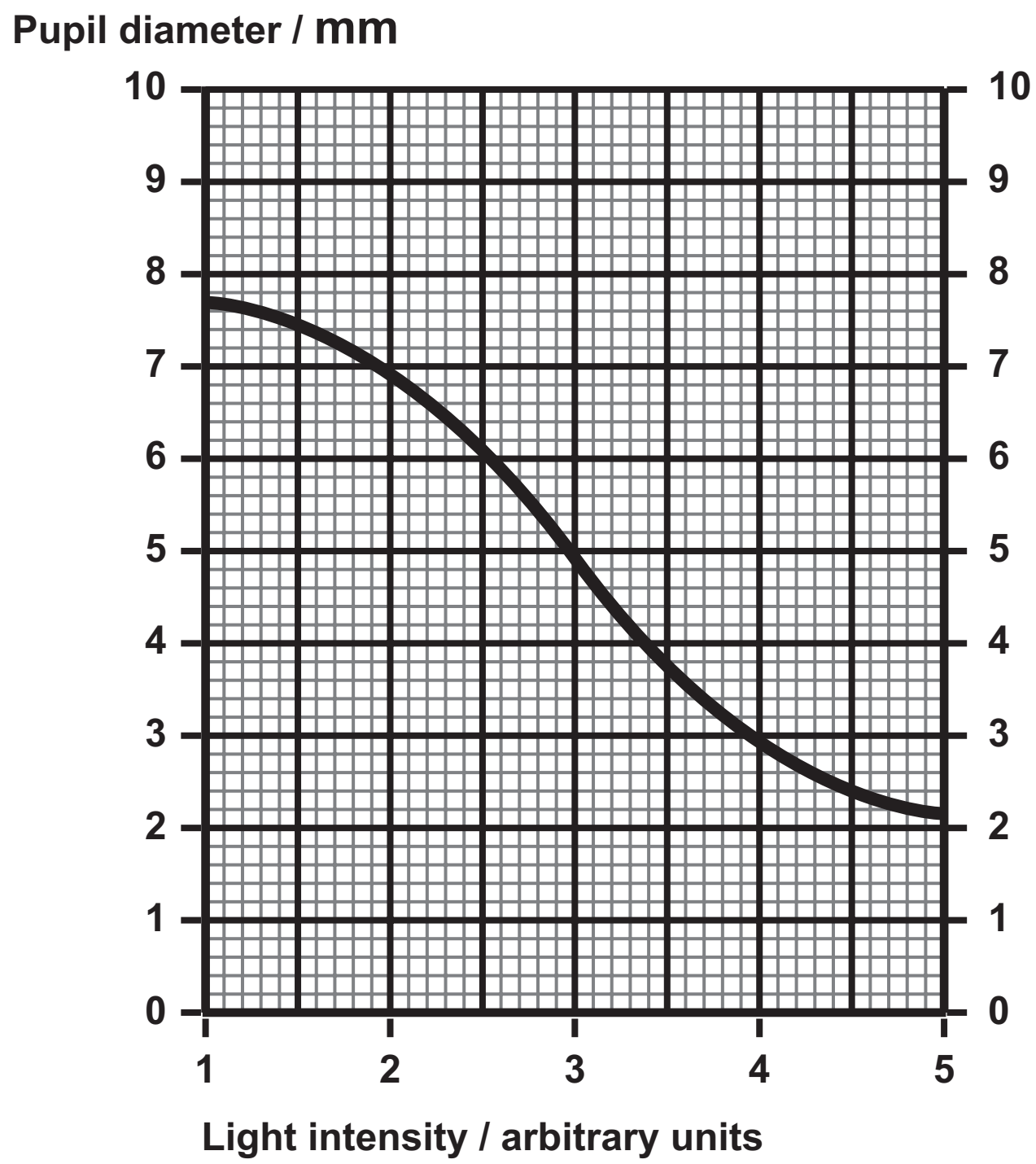
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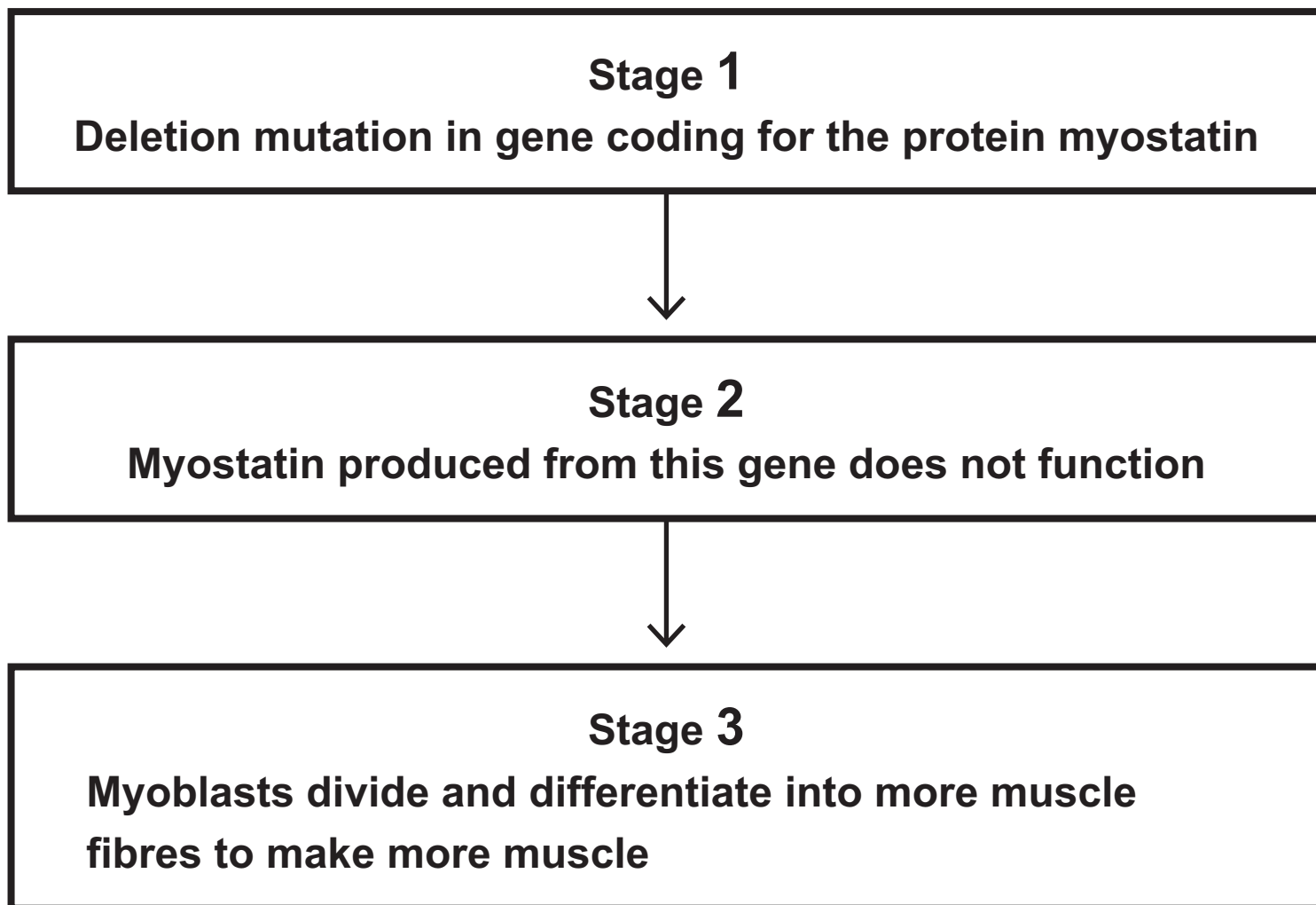
Rate of ion uptake



oxygen concentration

Question 4(c)



Question 5

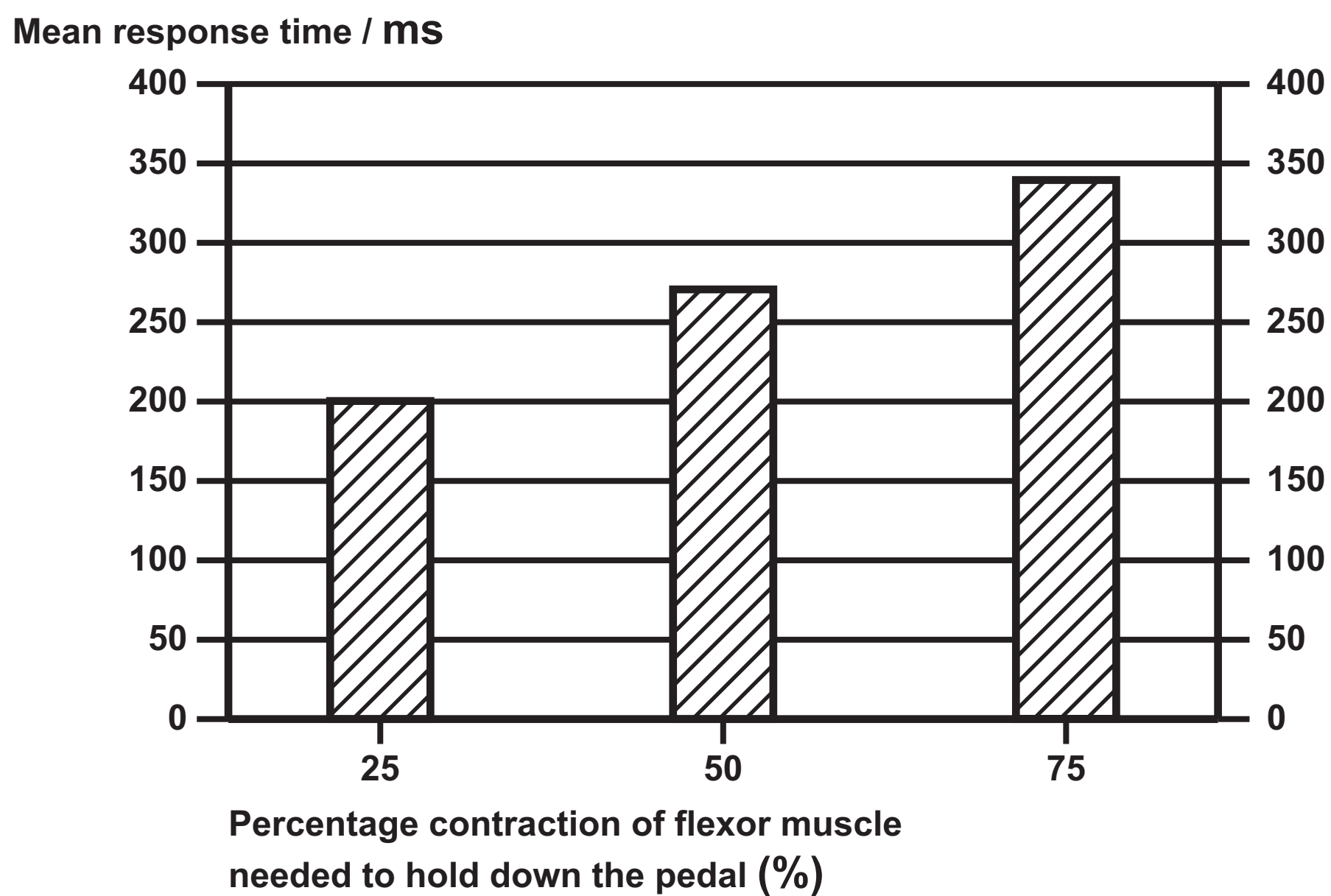
Question 5(a)

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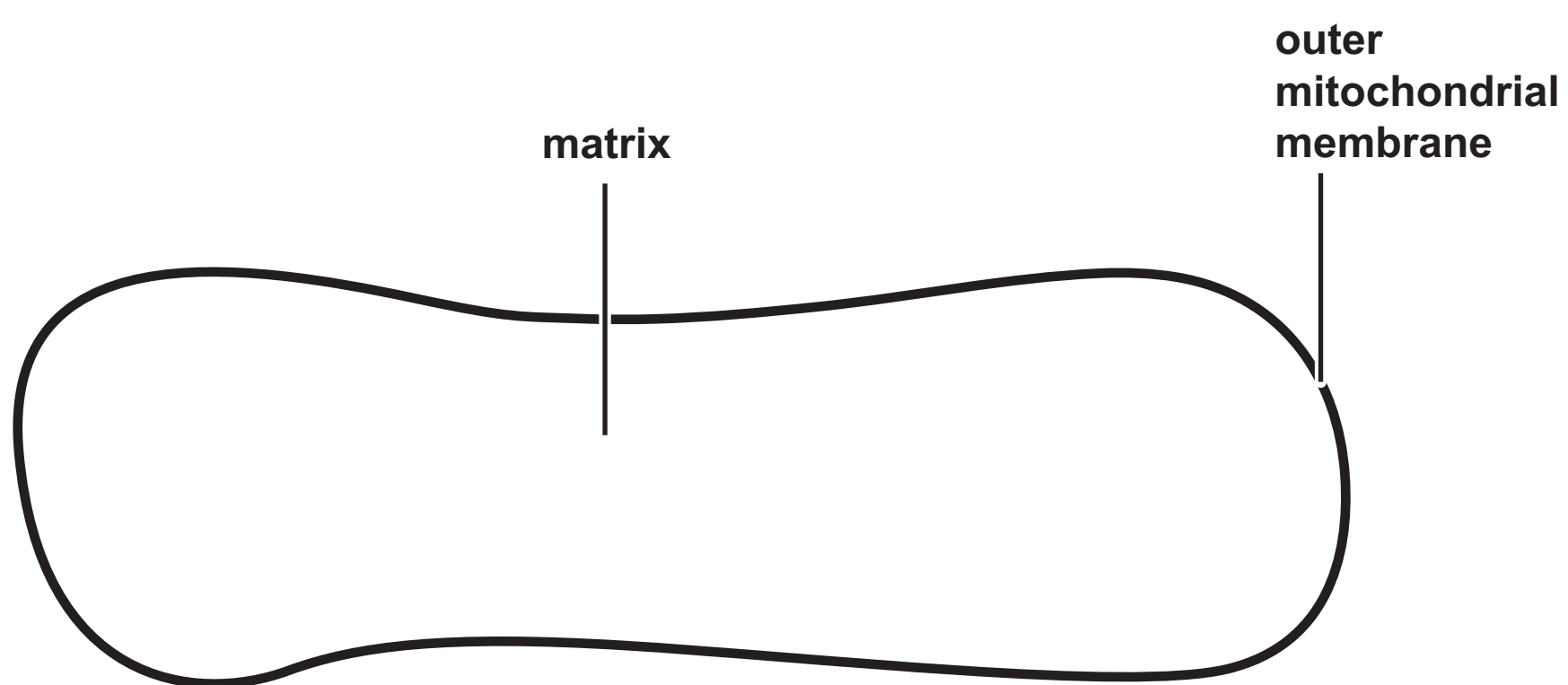
Question 5(a)(ii)

T	G	T	G	A	T	G	A	A	C	A	C	T	C	C	A	C	A	G	A	A
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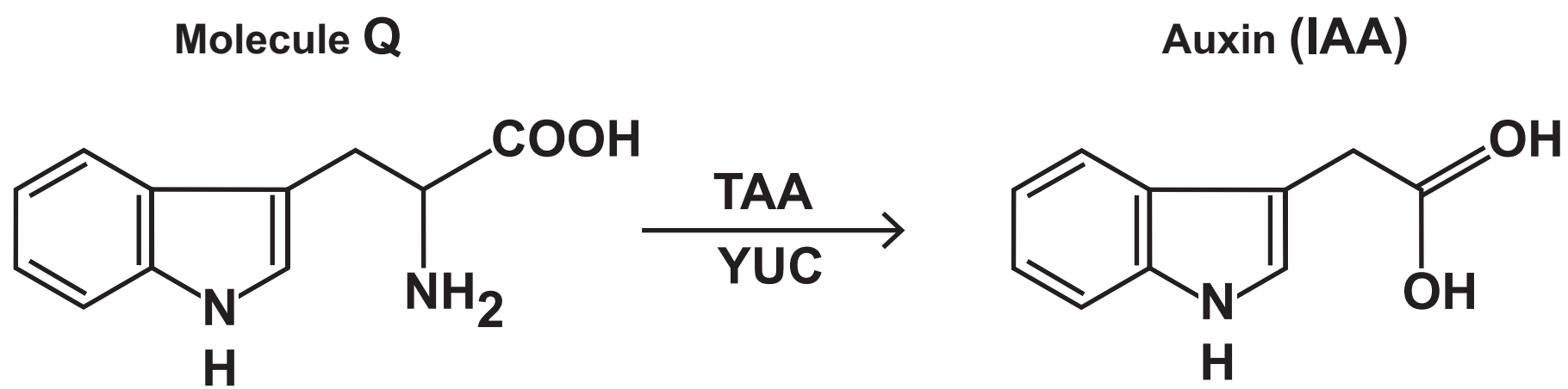
Question 6



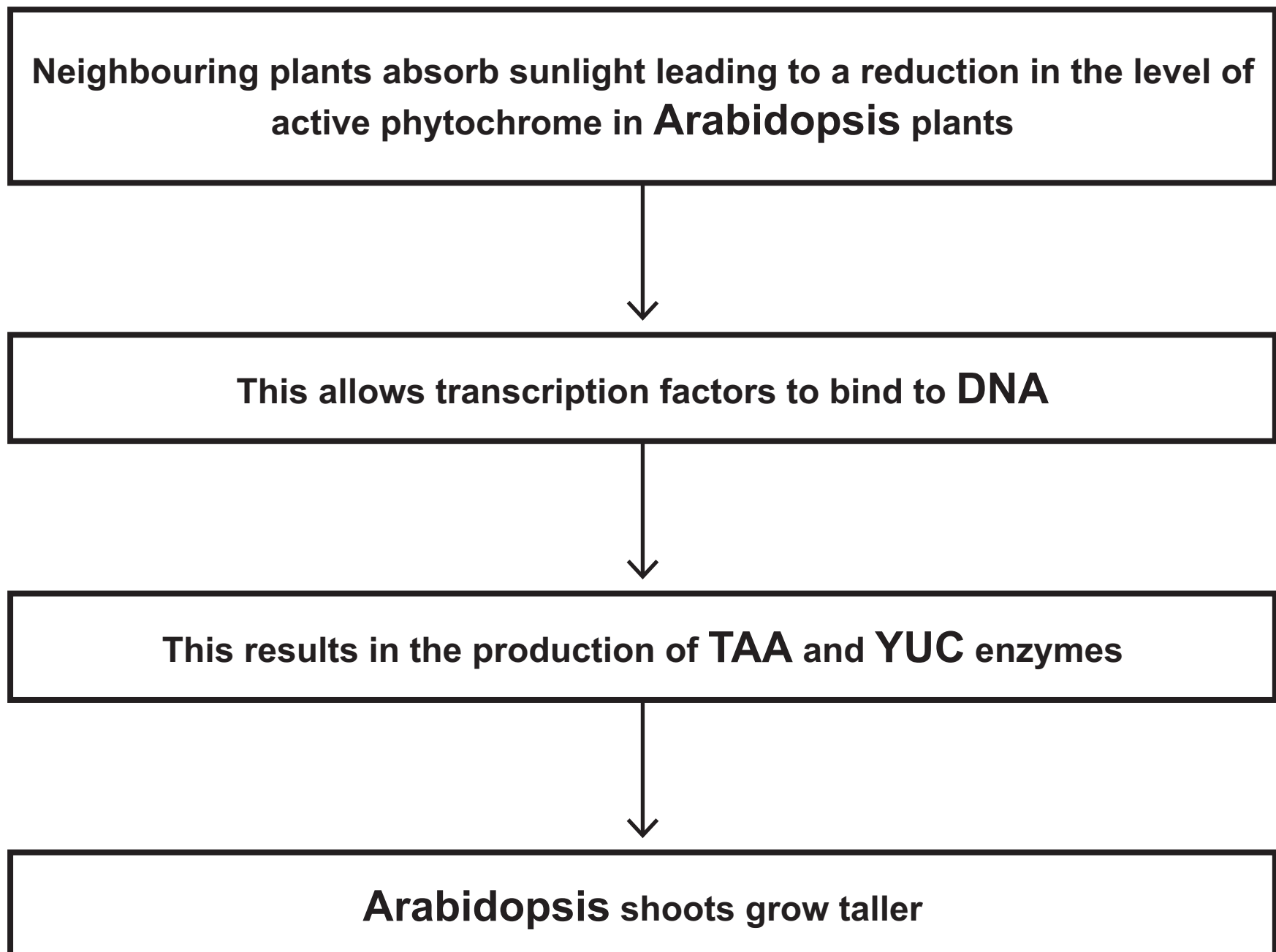
Question 7(a)



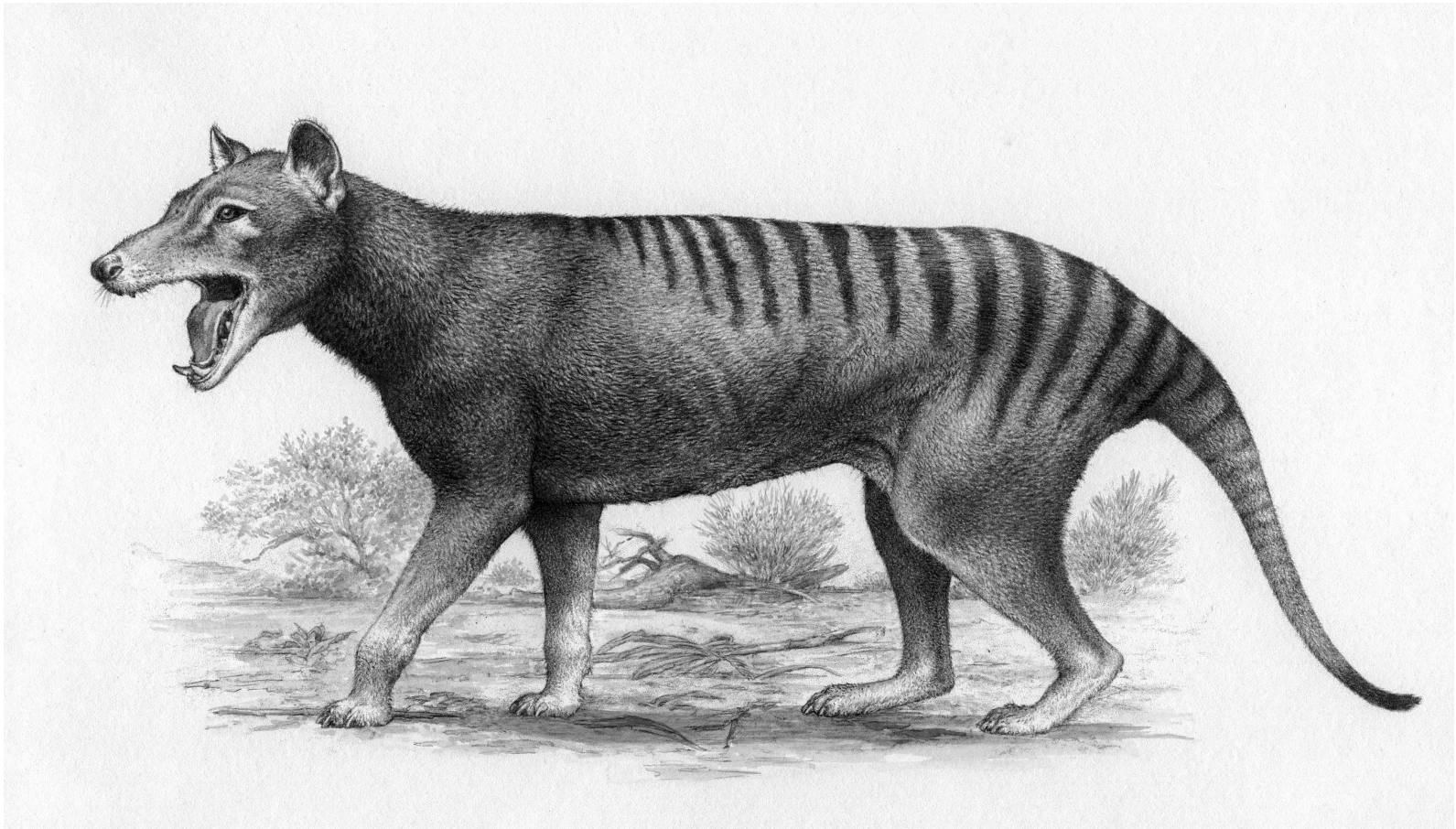
Question 8(b)

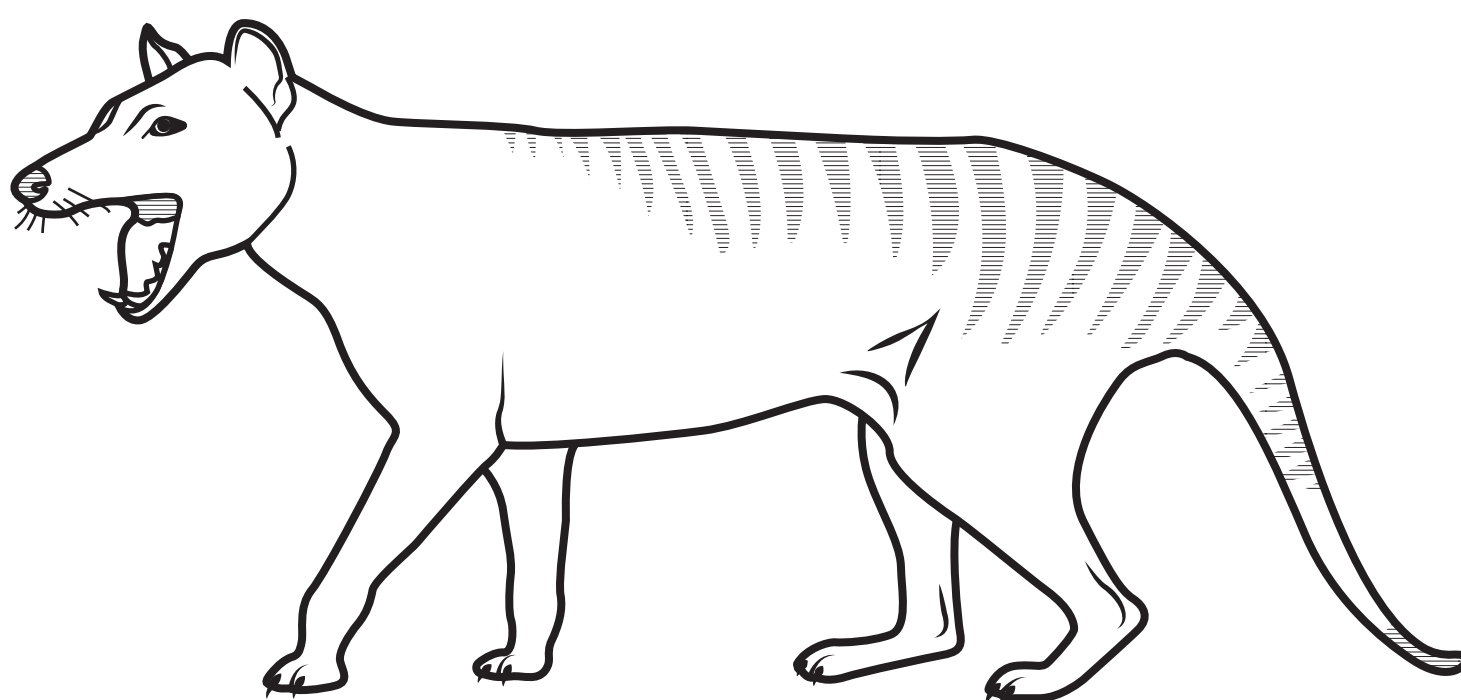


Question 8(b)(ii)



Question 9 – picture

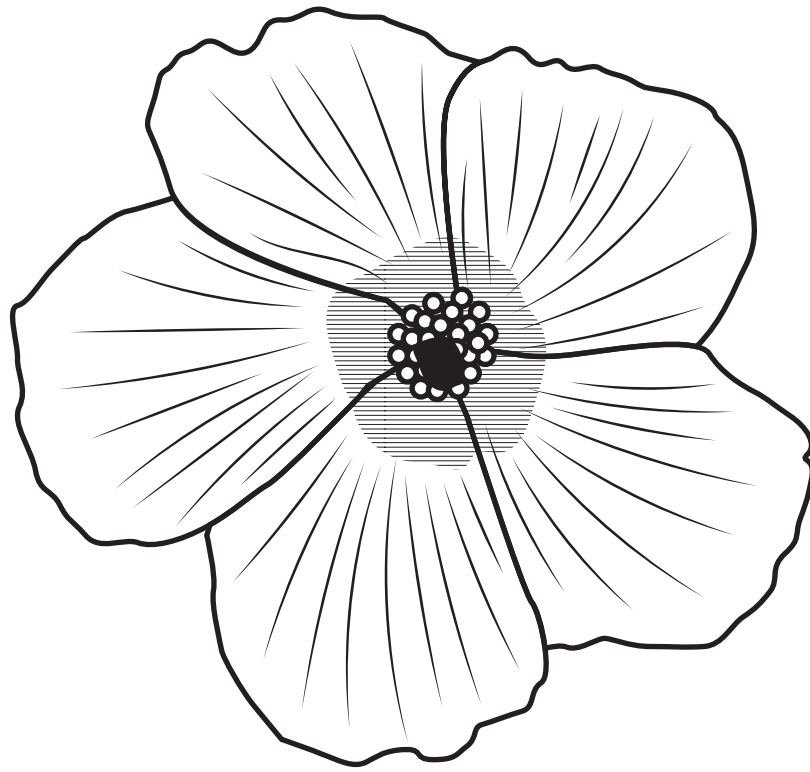


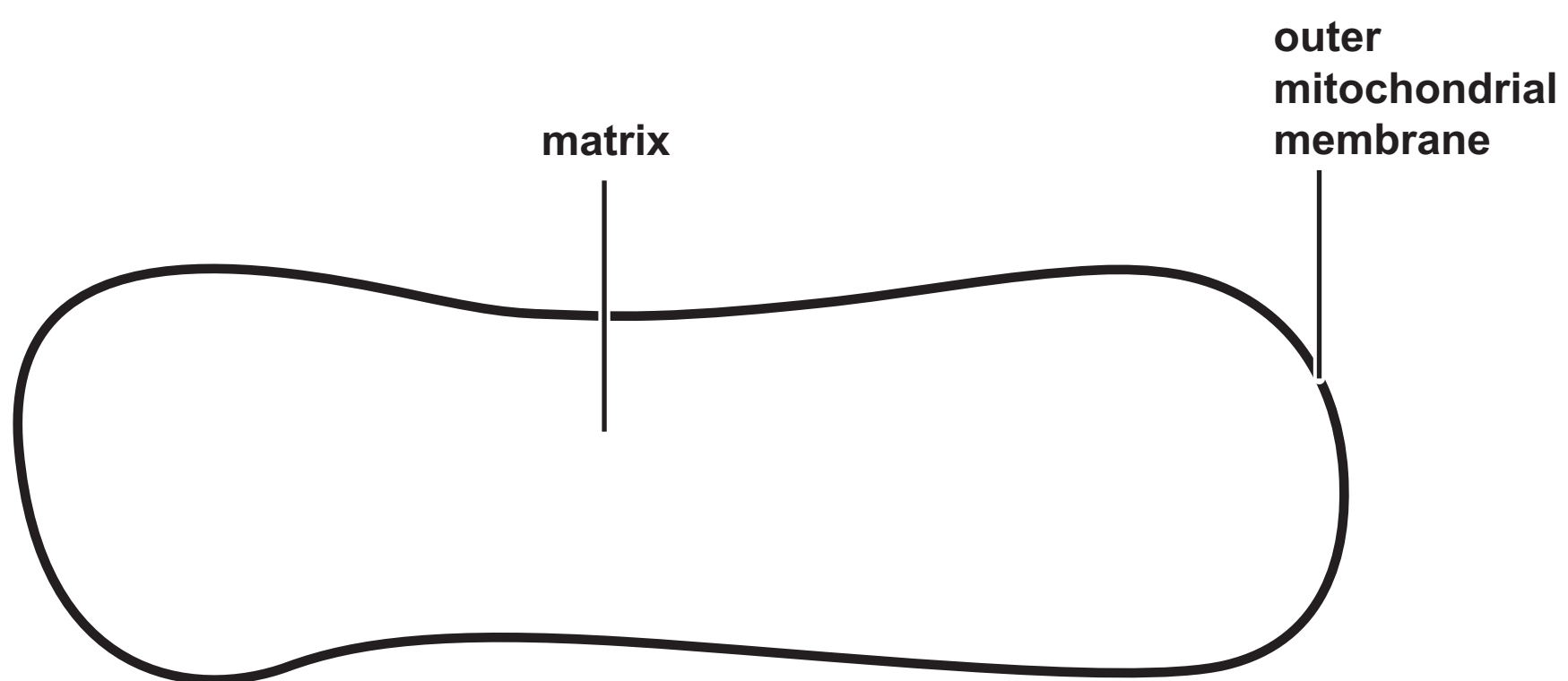
Question 9 – outline

Question 10(b) – picture

Roselle (*Hibiscus sabdariffa*)



Question 10(b) – outline**Roselle (*Hibiscus sabdariffa*)**

Question 7(a) – spare copy

Source information

Question 9

Source: © John Sibbick/Science Photo Library

Question 10(b)

Source: © K Jayaram/Science Photo Library