

Paper Reference(s) 4BI1 / 2B
Pearson Edexcel International GCSE (9–1)

Biology
UNIT: 4BI1
PAPER: 2B

Friday 9 June 2023 – Afternoon

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.

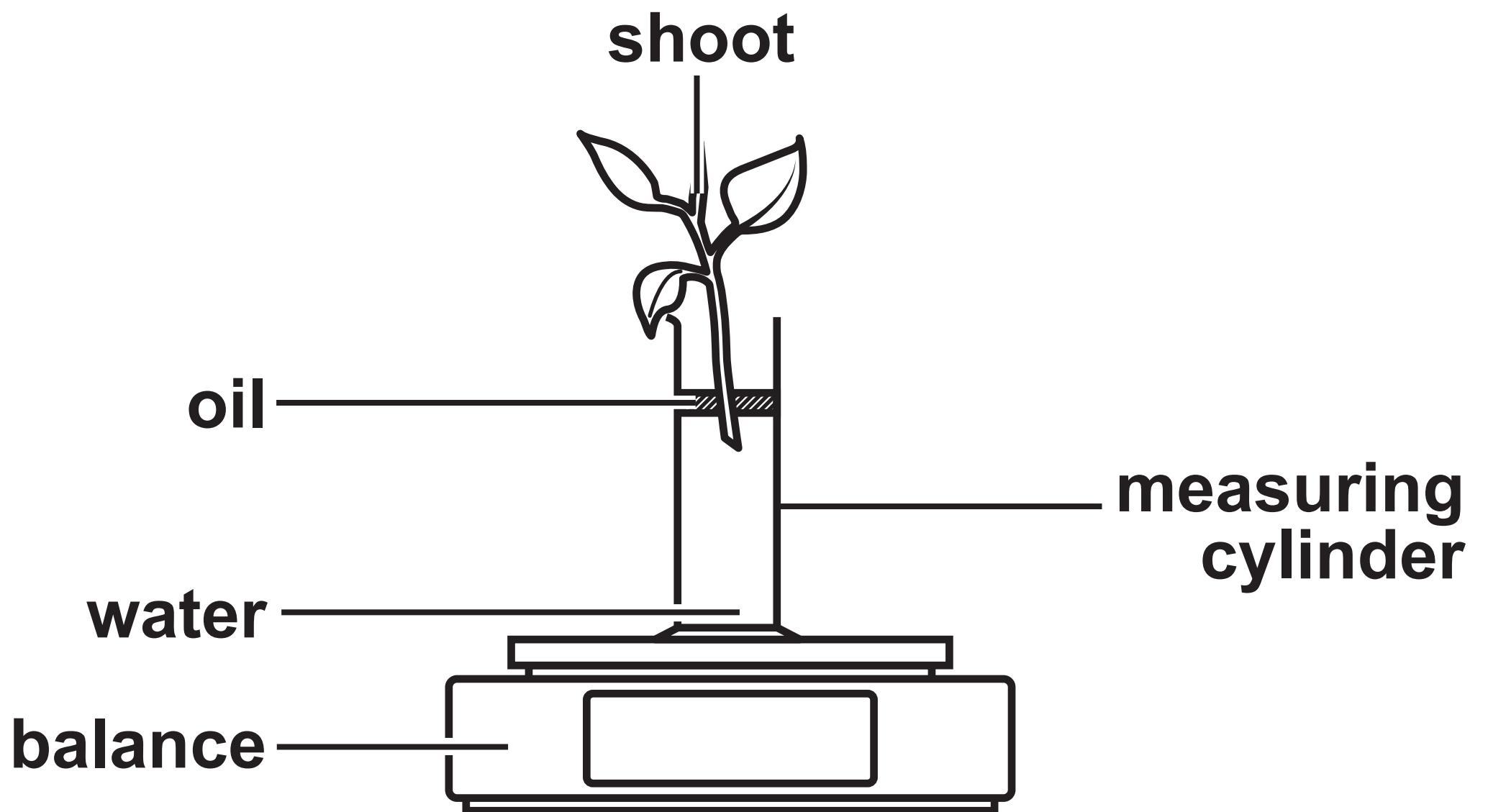
**THIS DIAGRAM BOOKLET MUST BE
RETURNED WITH THE QUESTION PAPER
AT THE END OF THE EXAMINATION.**

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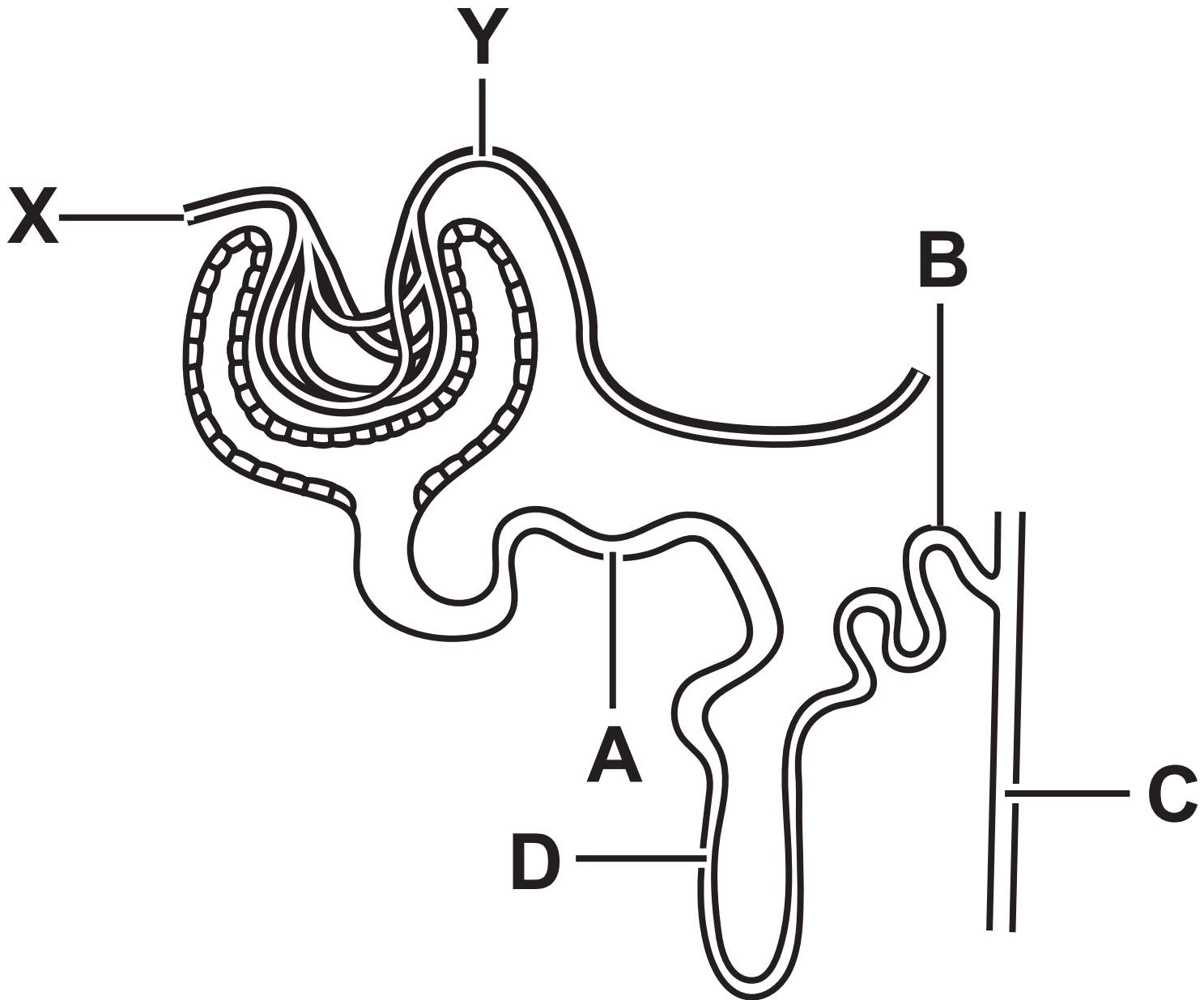
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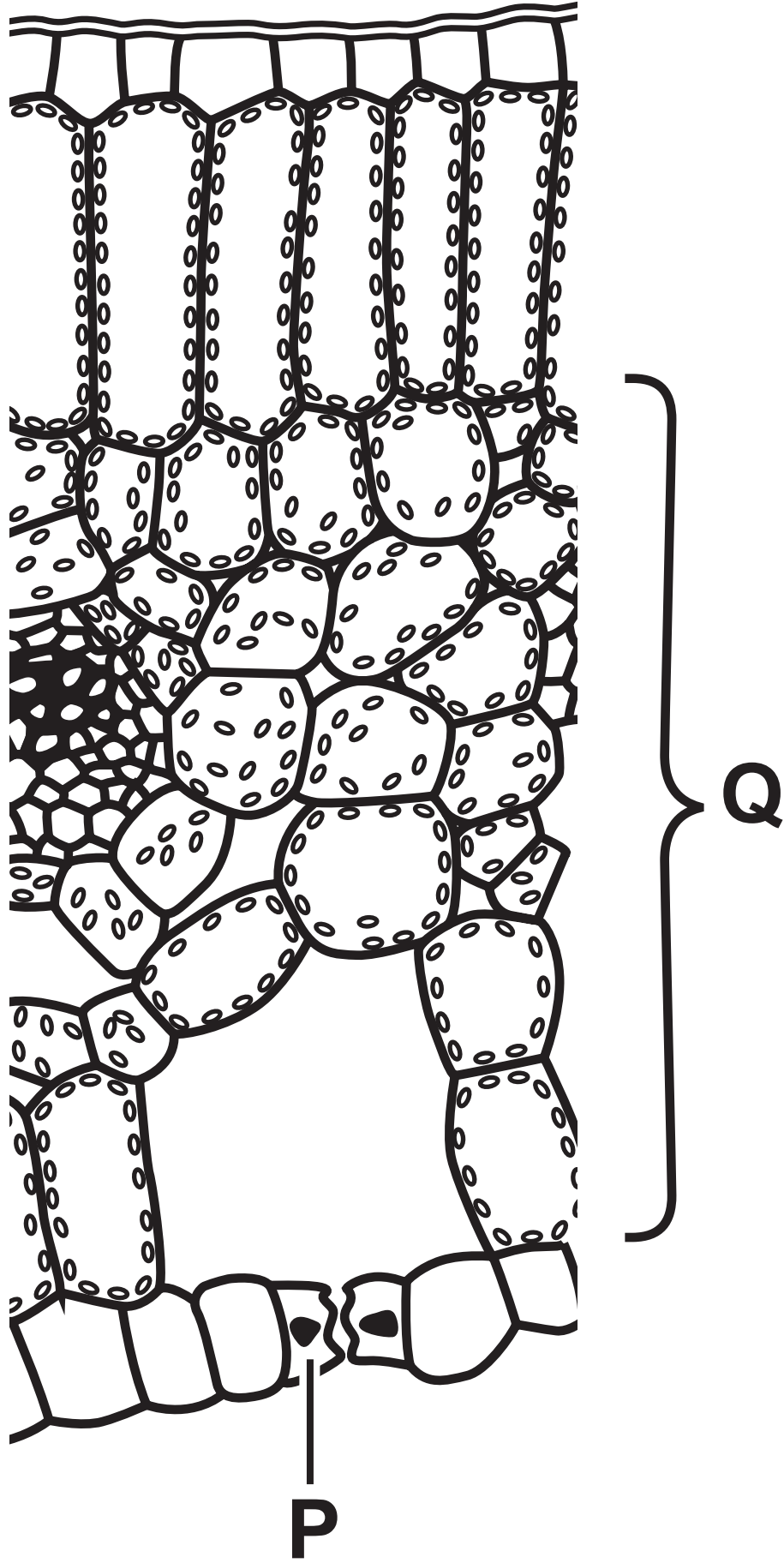
Question 2



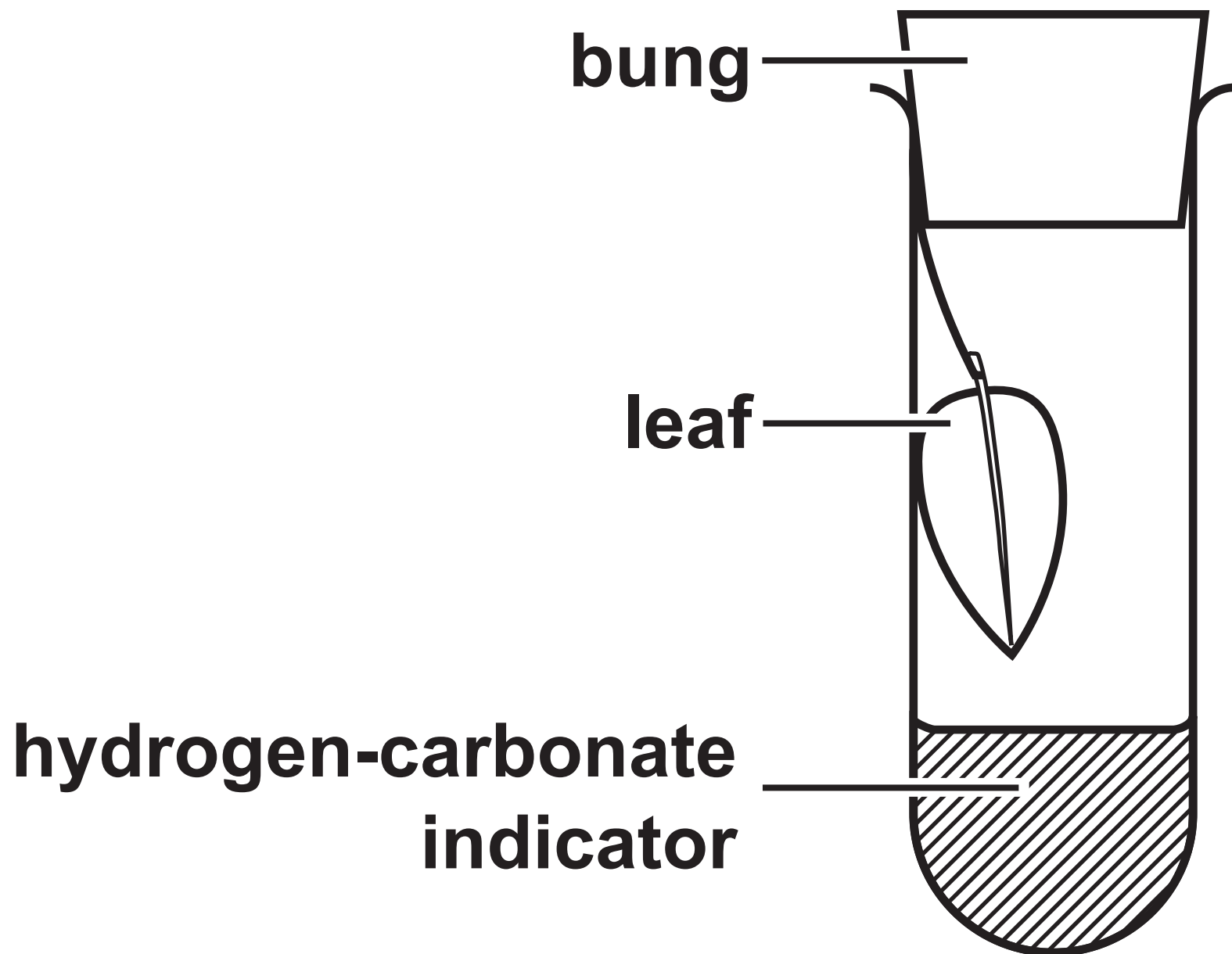
Question 3



Question 4(a)



Question 4(b)



Question 5(a)(ii)

KEY

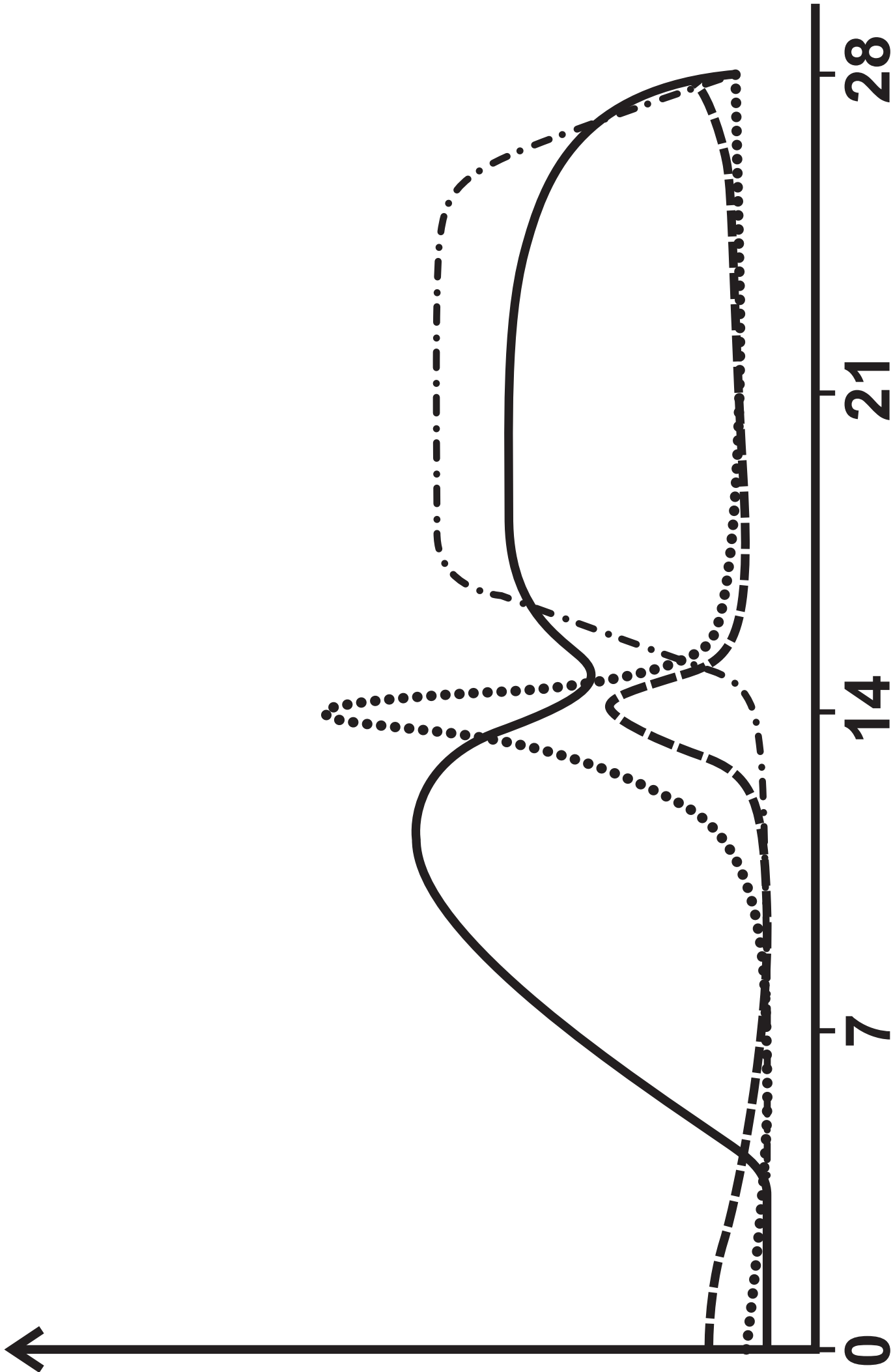
— A

- - - B

..... C

- · - · - D

Level of
hormone



Time in days

Question 5(b)

METHOD	DESCRIPTION	PERCENTAGE EFFECTIVENESS IN PREVENTING PREGNANCY (%)
oral tablets	<ul style="list-style-type: none">• tablets taken every day at same time	91 to 99
injection	<ul style="list-style-type: none">• injection into muscle by medical professional• injection is repeated every 12 weeks	94 to 99
implant	<ul style="list-style-type: none">• plastic rod containing hormones is surgically placed under skin of upper arm• can last for up to three years and then needs replacing	94 to 99

Question 6(a)

The black and white photograph shows a snapdragon plant growing in the wild. Its flowers resemble small bells with a crown of petals at the top of the plant.



Question 6(b)(iii)

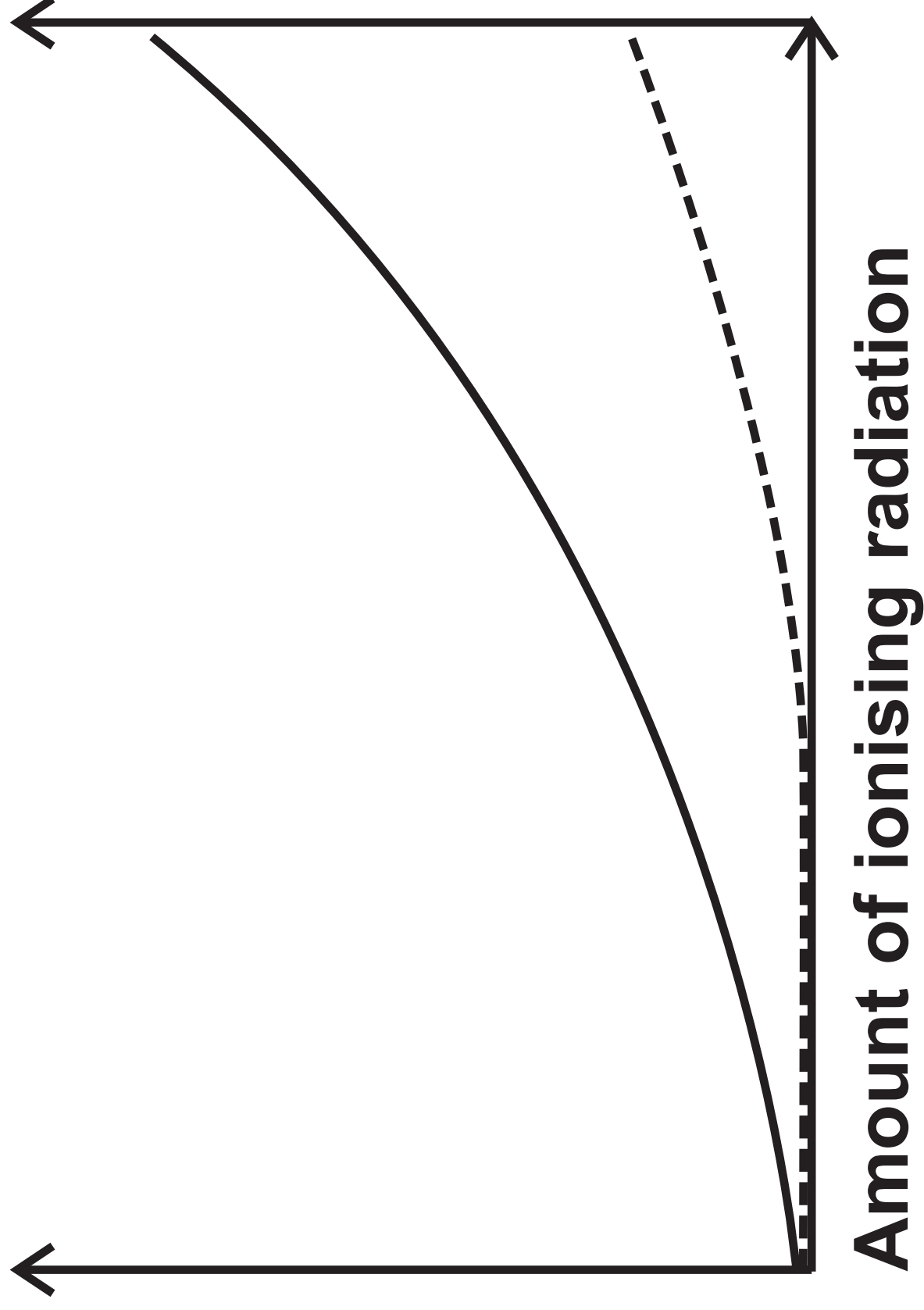
KEY

— number of changes in DNA

- - - number of different phenotypes

Number of changes in DNA
per 10 000 nucleotides

Number of different
phenotypes



Question 6
(Source: © BRIAN GADSBY/SCIENCE
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