

Paper Reference(s) 4HB1/01
Pearson Edexcel International GCSE (9–1)

Human Biology

UNIT: 4HB1

PAPER: 01

Thursday 18 May 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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Spare Copies

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Question 1

ADP

ATP

against

along

down

fully

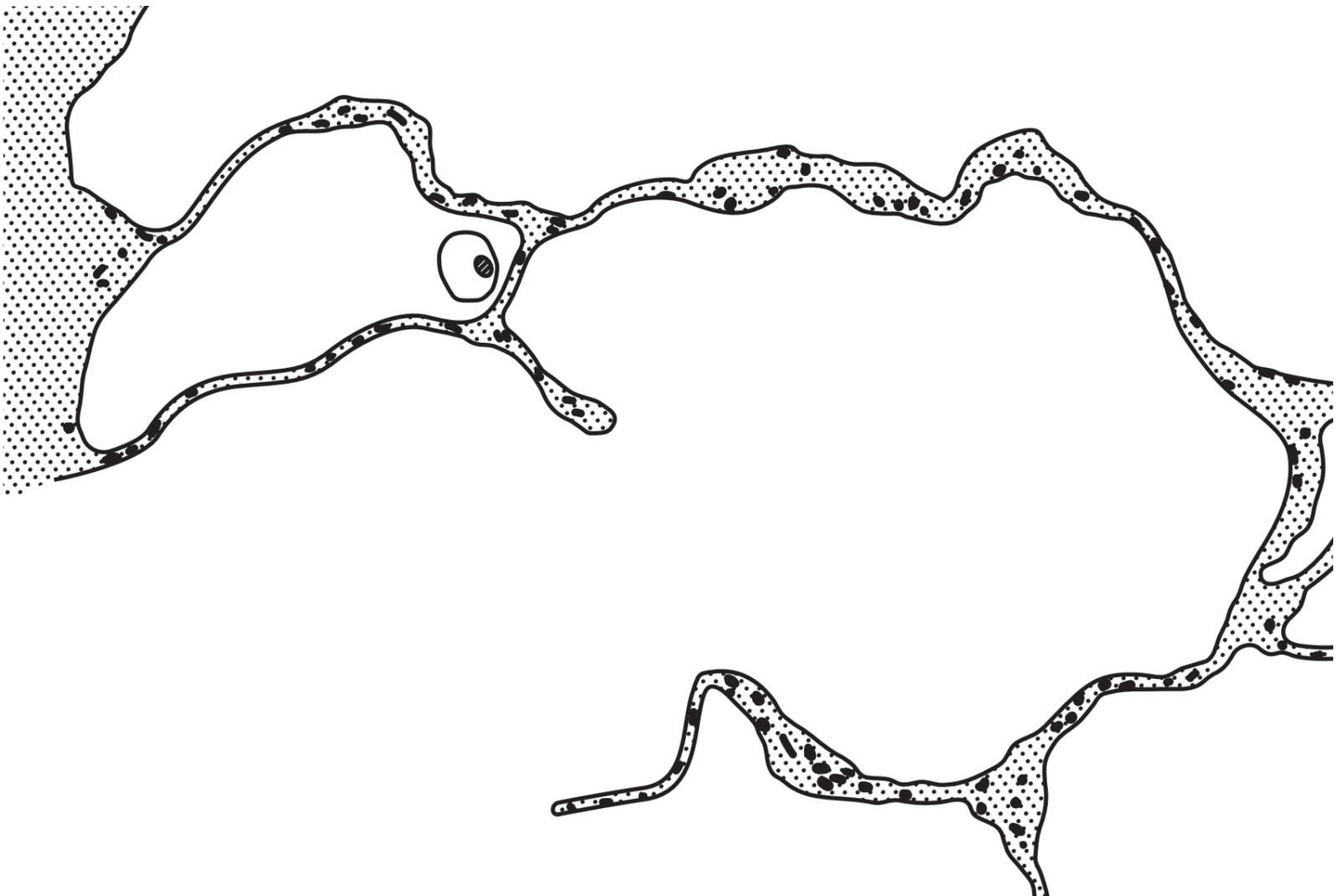
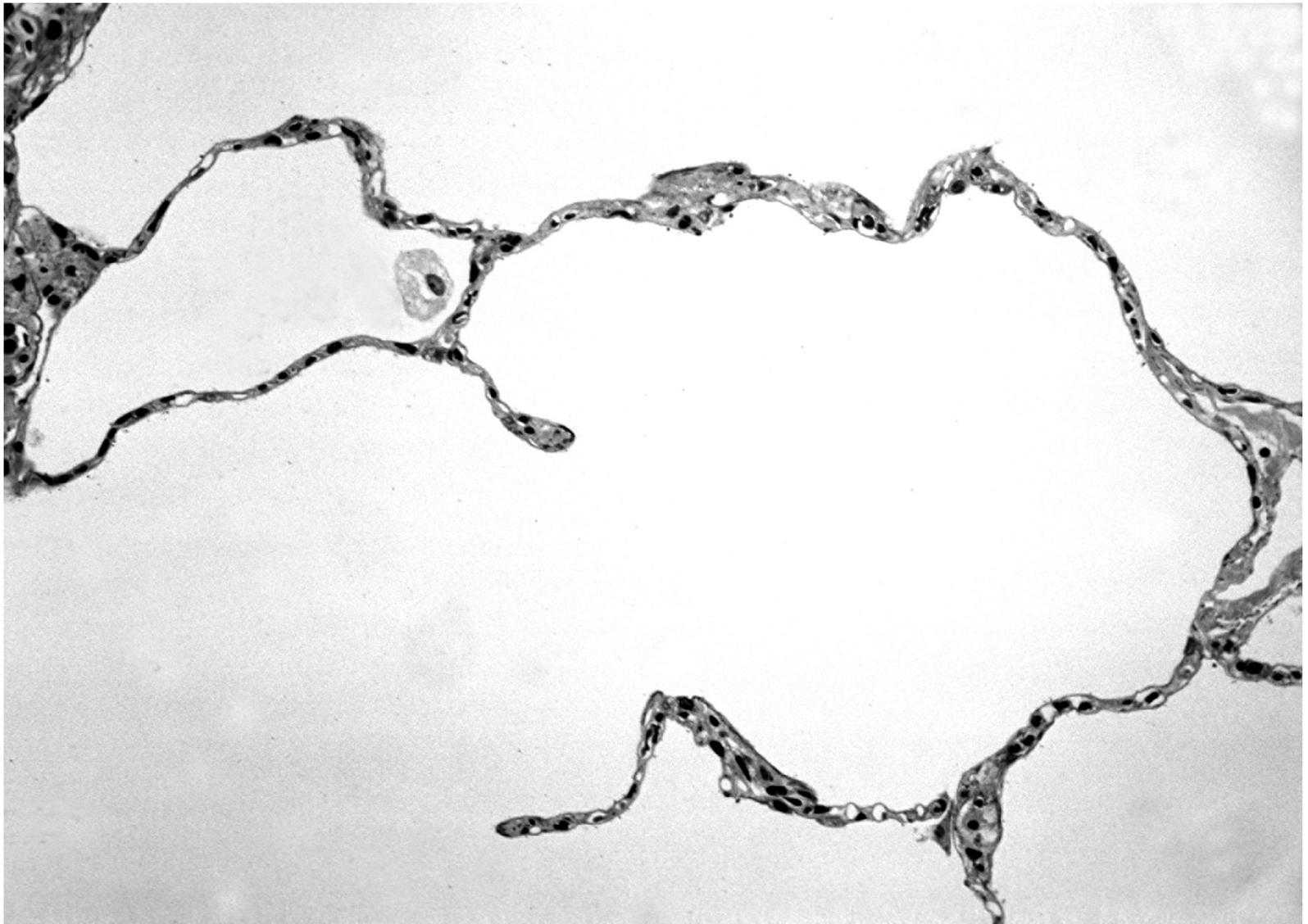
gases

selectively

volume

water

Question 2(a)

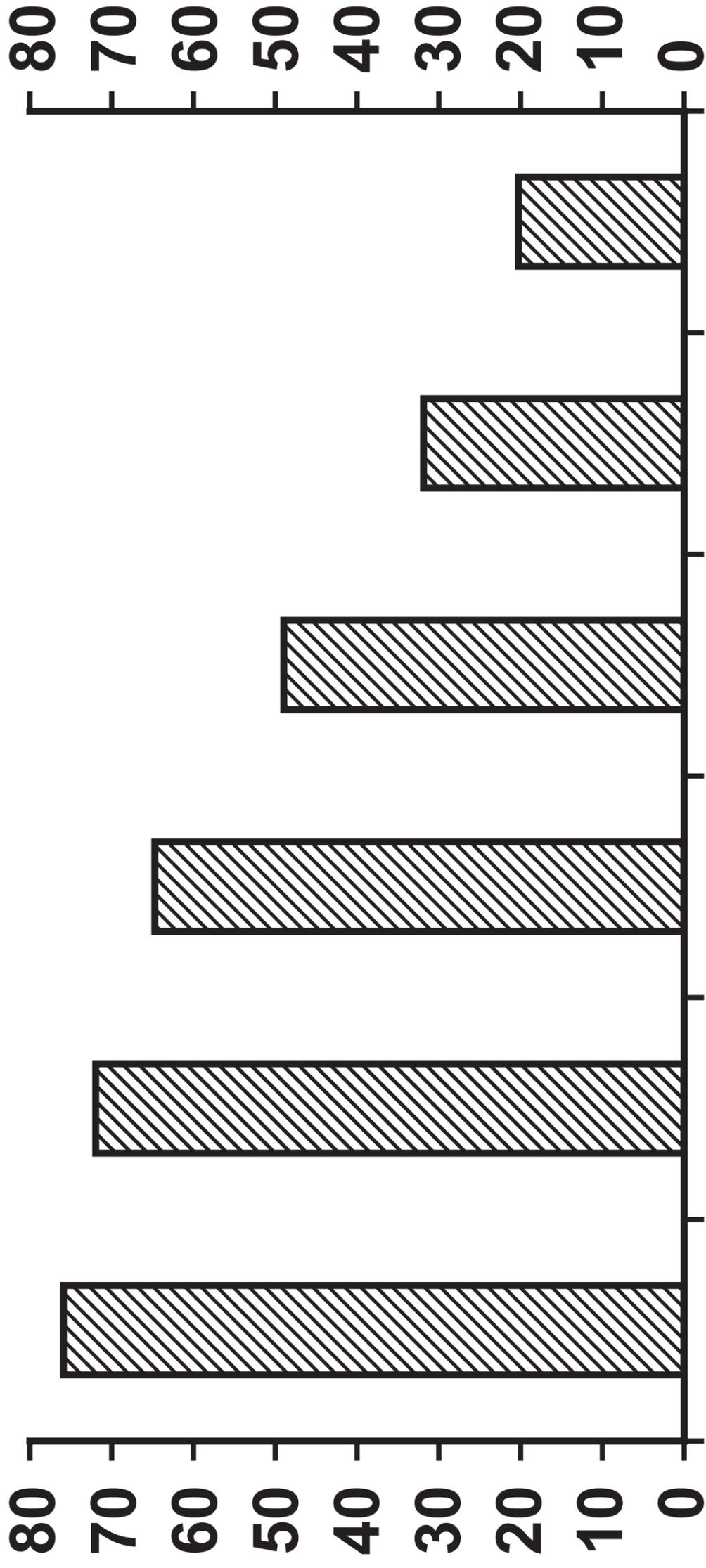


Question 2(b)(ii)

Percentage (%) carbon dioxide in air	0·02	1·60	3·00	6·00
Tidal volume in cm³	500	700	1200	2100
Rate of breathing in breaths per minute	14	15	16	28

Question 3

Volume of gas produced
in cm^3



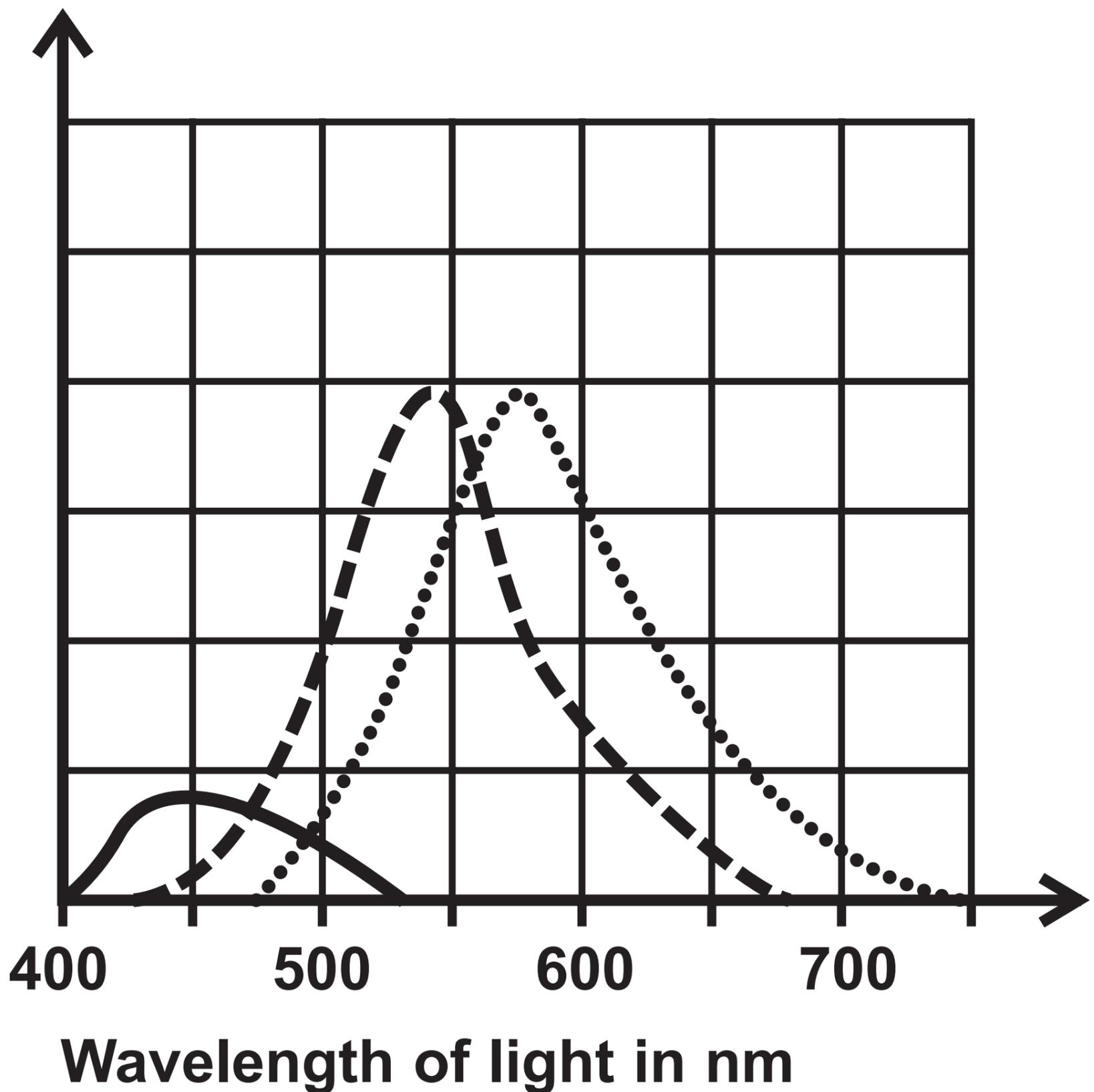
Question 4(b)

Thickness of lens in mm	Focal length in mm
10	12·5
9	14·0
8	15·5
7	18·0
6	21·0
5	25·0

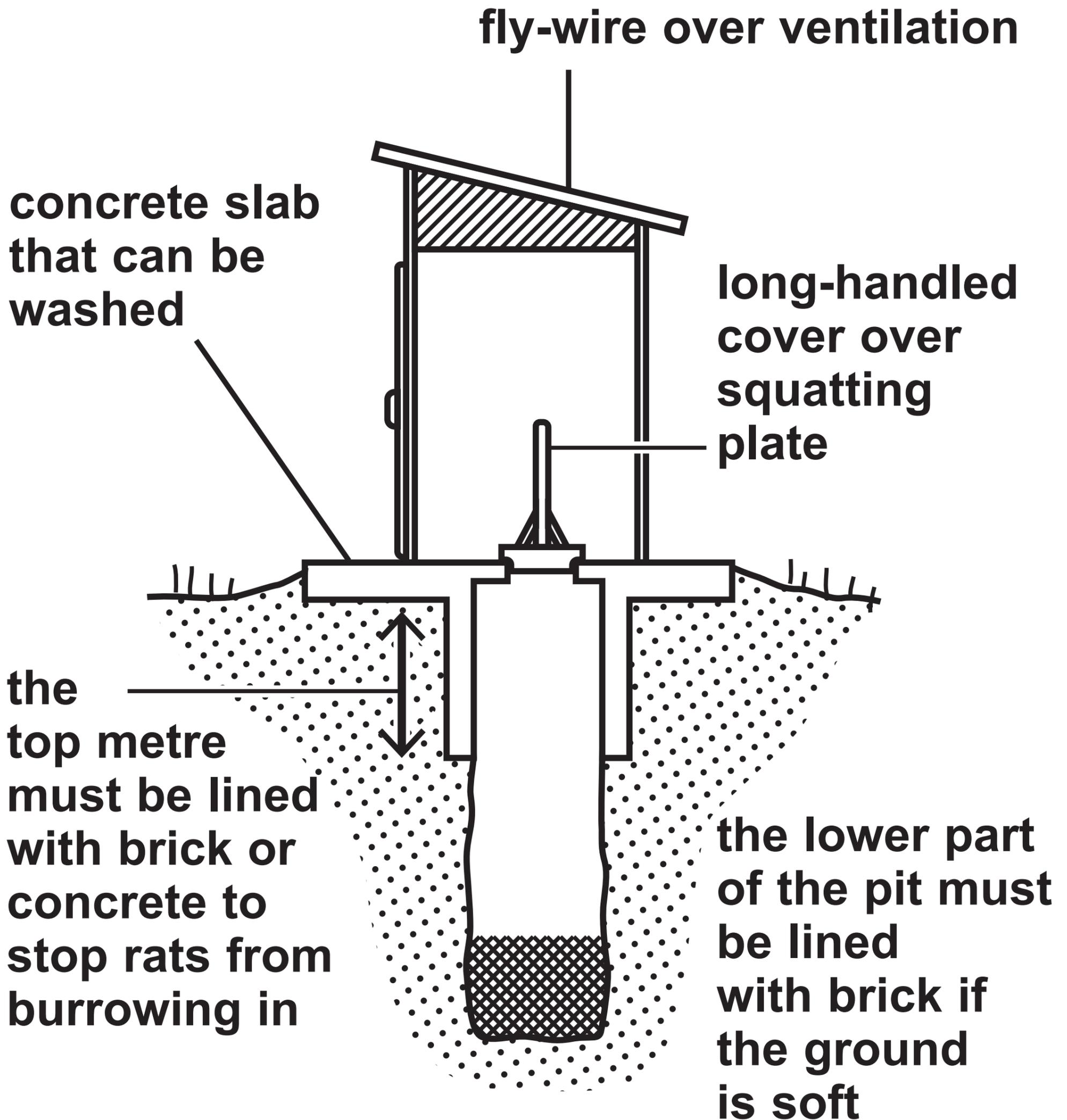
Question 4(c)

- blue detecting cone
- - - -** green detecting cone
-** red detecting cone

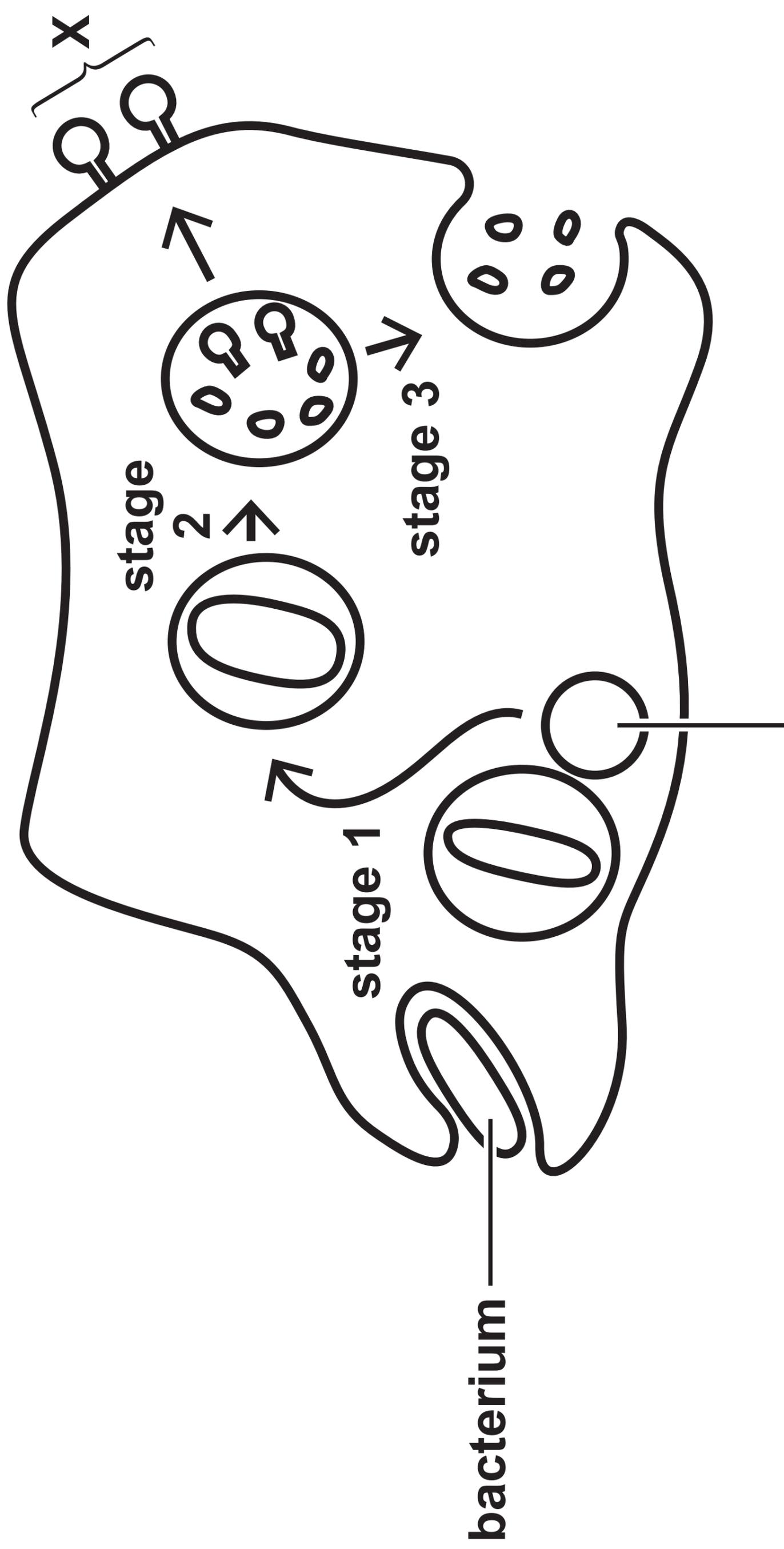
**Light absorption
in arbitrary units**



Question 5



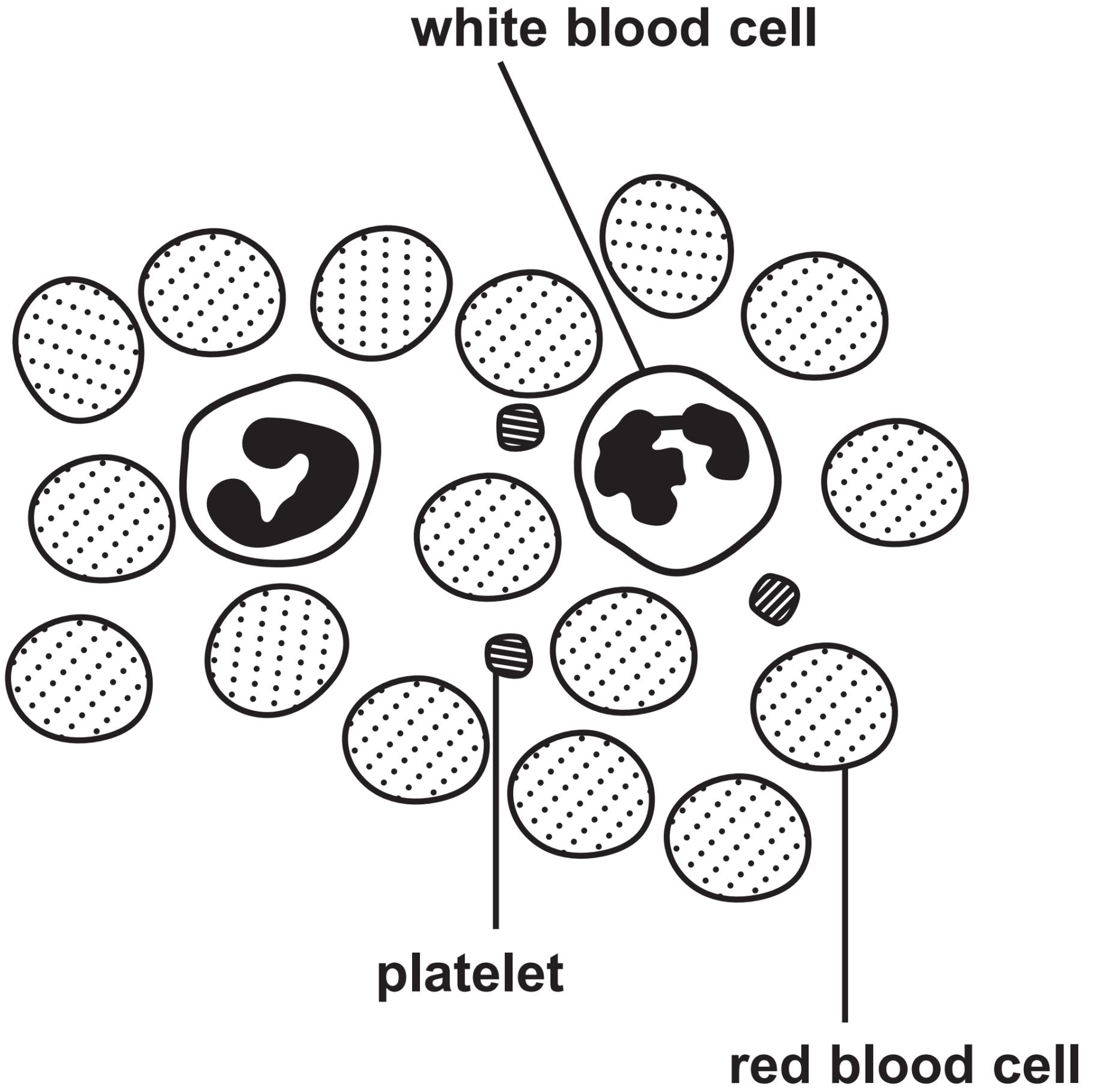
Question 6(a)



bacterium

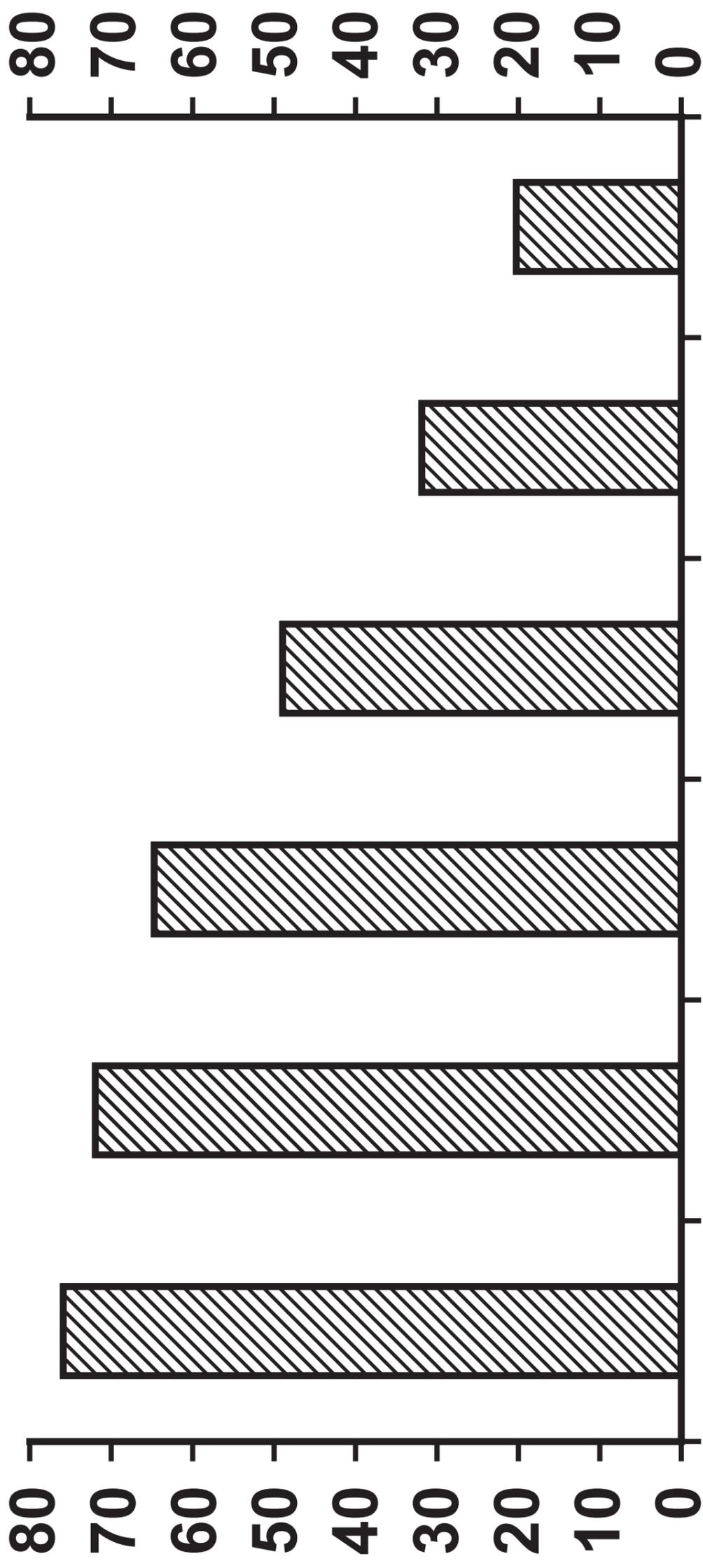
lysosome (contains digestive enzymes)

Question 6(b)



Question 3

Volume of gas produced
in cm³



Question 2
(Source: © Ed Reschke/Getty Images)