

O-Level Biology

Paper 1

Unsolved Topical

Past Papers With Marking Scheme
According to New Syllabus (2023-2025)

2014-2021

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PREFACE

Excellence in learning cannot be claimed without application of concepts in a dexterous way. In this regard one of the logical approach is to start in chunks; like chapter wise learning and applying the concept on exam based questions.

This booklet provides an opportunity to candidates to practice topic wise questions from previous years to the latest. Extensive working of Team MS Books has tried to take this booklet to perfection by collaborating with top of the line teachers.

We have added answer key / marks scheme at the end of each topic for the candidate to compare the his/her answer to the best.

MS Books strives to maintain actual spacing between consecutive questions and within options as per CAIE format which gives students a more realistic feel of attempting question.

Review, feedback and contribution in this booklet by various competent teachers of a subject belonging to renowned school chains make it most valuable resource and tool for both teachers and students.

With all belief in strength of this resource material I can confidently claim that it is worth in achieving brilliance.

Our sincere thanks and gratification to **Mr. Muhammad Shahid** who took out special time to help compile and manage this booklet. We would also like to appreciate biology faculty for reviewing and indorsing it.

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Cells

Q1/11/M/J/14

1 Which of the following have both cytoplasm and cell walls?

- A** liver cells **C** root hair cells
B red blood cells **D** xylem vessels

Q1/12/M/J/14

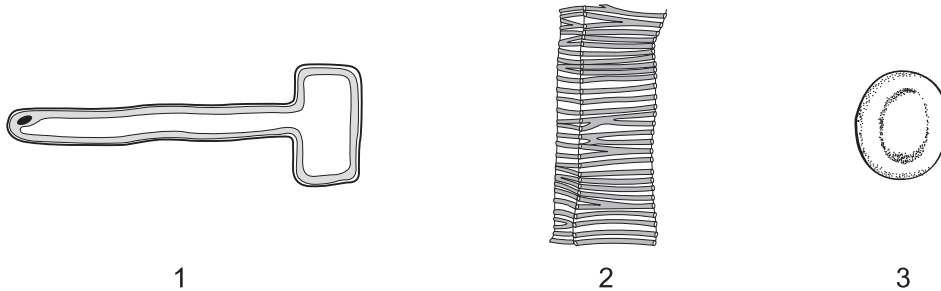
2 What are found in plant cells but **not** in animal cells?

- 1 cell membrane 3 cell wall
 2 nucleus 4 chloroplast

- A** 1 and 2 **B** 1 and 4 **C** 2 and 3 **D** 3 and 4

Q1/12/O/N/14

3 The diagram shows three cellular structures.



Which statements about these cells are correct?

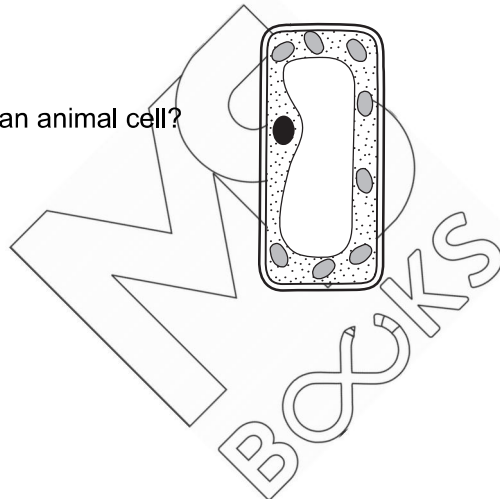
	1	2	3
A	adapted to carry oxygen	lacks a nucleus	adapted to carry water
B	adapted to carry water	lacks a nucleus	is in contact with the soil
C	is in contact with the soil	adapted to carry water	adapted to carry oxygen
D	is in contact with the soil	is in contact with the soil	lacks a nucleus

Q1/12/M/J/15

4 The diagram shows a plant cell.

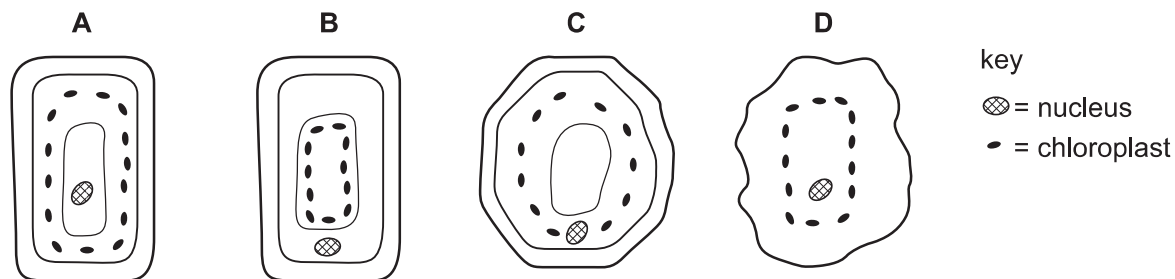
Which structure identifies this as a plant cell rather than an animal cell?

- A** cell membrane **C** cytoplasm
B cell wall **D** nucleus



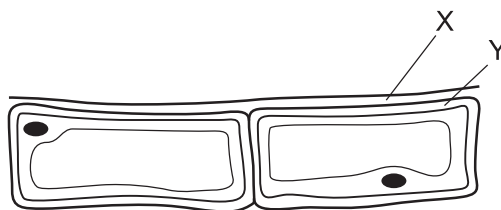
Q1/12/O/N/15

5 Which diagram shows the positions of the chloroplasts and the nucleus in a cell?



Q5/12/O/N/15

6 The diagram shows the upper layers of a leaf.



What are the structures labelled X and Y?

	X	Y
A	cell membrane	cell wall
B	cell wall	cell membrane
C	cell wall	cuticle
D	cuticle	cell wall

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Q1/12/M/J/16

7 Which organelles are found in both animal and plant cells?

- 1 cell membrane
- 2 cell wall
- 3 nucleus
- 4 sap vacuole

A 1 and 3 B 1 and 4 C 2 and 3 D 2 and 4

Q1/11/O/N/16

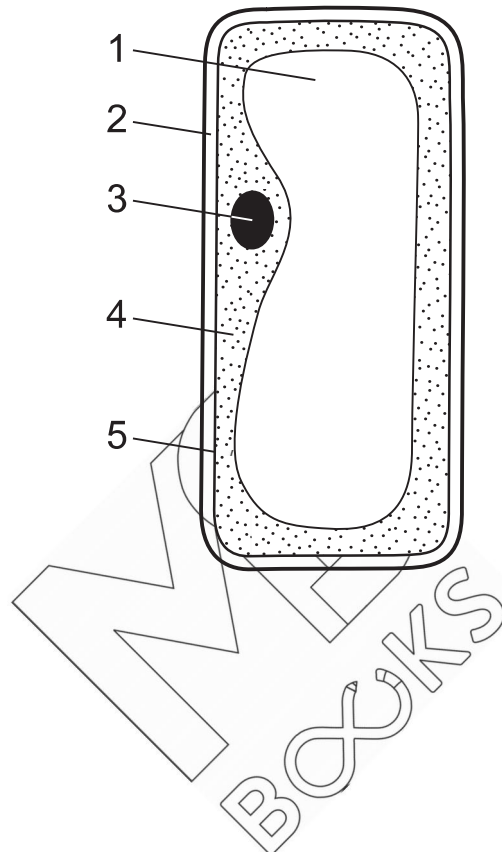
8 Which row correctly shows the function of a cell structure and its location?

	cell structure	function	location
A	cell membrane	controls the passage of substances into and out of cells	both plant and animal cells
B	cell membrane	maintains turgor	both plant and animal cells
C	cell wall	controls the passage of substances into and out of cells	plant cells only
D	cell wall	maintains turgor	animal cells only

Q1/12/O/N/16

9 The diagram shows a plant cell.
Which two structures are **not** found in animal cells?

- A 1 and 2 B 2 and 3
C 3 and 4 D 4 and 5



ANSWER KEYS

Qs #	Key	Qs #	Key	Qs #	Key
1	C	11	B	21	D
2	D	12	A	22	C
3	C	13	B	23	B
4	B	14	B	24	
5	C	15	A	25	
6	D	16	C	26	
7	A	17	C	27	
8	A	18	D	28	
9	A	19	C	29	
10	B	20	B	30	

