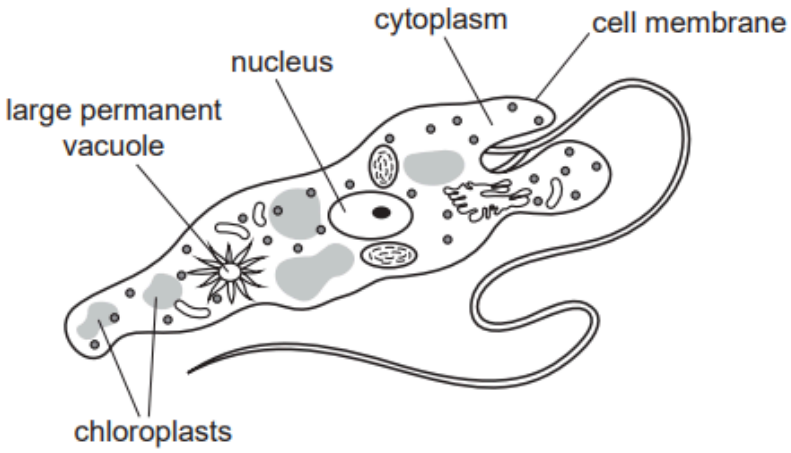
Q1. (June 2021 v1)

4 The diagram shows a single-celled organism called *Euglena*.



Which labelled structures would also be found in an animal cell?

A cell membrane, chloroplast, nucleus

B chloroplast, cytoplasm, nucleus

C cell membrane, cytoplasm, nucleus

D cell membrane, cytoplasm, large permanent vacuole

Q2. (June 2021 v2)

4 Which part of a cell makes glucose?

A cell membrane

B chloroplast

C nucleus

D vacuole

Q3. (June 2021 v3)

4 In which part of a cell does photosynthesis take place?

A vacuole

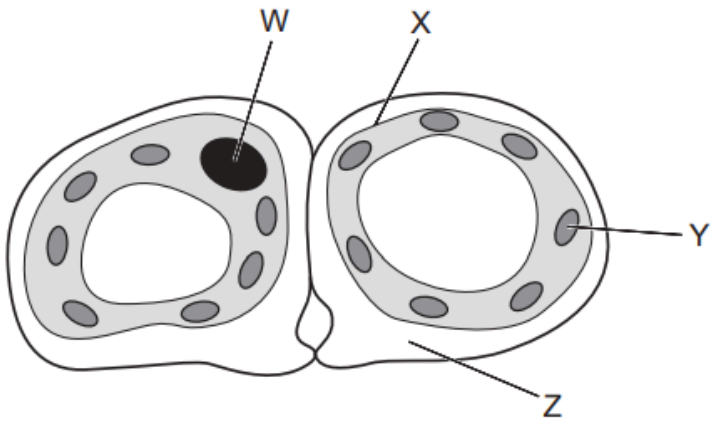
B nucleus

C chloroplast

D cytoplasm

Q4. (June 2022 v1)

3 The diagram shows a cross-section through two guard cells of a leaf.



Which labelled structures would also be found in an animal cell?

A W and X **B** X and Y **C** Y and Z **D** Z and W

Q5. (June 2023 v1)

3 Which row shows structures that are present in both root hair cells and palisade mesophyll cells?

	cell wall	chloroplasts	cytoplasm	vacuole
A	✓	✓	✓	✗
B	✗	✓	✓	✓
C	✓	✗	✓	✓
D	✓	✓	✗	✓

key
✓ = present
✗ = absent

Q6. (June 2023 v2)

3 Which structures are found in the cells of all living organisms?

1 cell membrane

2 chloroplast

3 cytoplasm

A 1, 2 and 3 **B** 1 and 2 only **C** 1 and 3 only **D** 2 and 3 only

Q7. (June 2023 v3)

3 Which statement about cell structure is correct?

A An animal cell has a cell wall.

B A bacterium has a cell wall.

C An animal cell has chloroplasts.

D A bacterium has chloroplasts.

Q8. (June 2024 v1)

3 The list shows some of the structures contained in cells.

- cytoplasm
- cell membrane
- cell wall
- chloroplast

How many of these structures are found in the cells of **all** living organisms?

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

Q9. (June 2024 v2)

4 What is the function of mitochondria in cells?

A to absorb light energy

B to produce glucose

C to release energy

D to transport oxygen

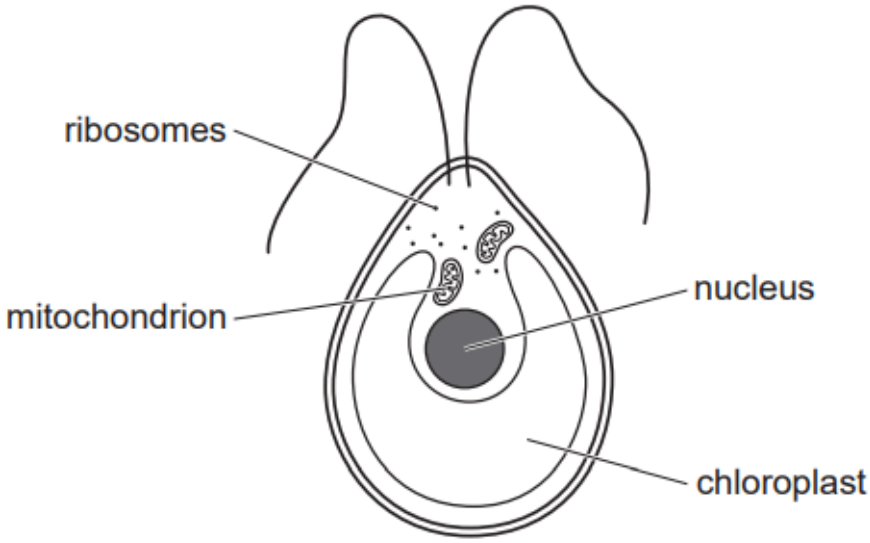
Q10. (June 2024 v2)

5 Which row shows a function of the cell membrane and a function of the cell wall in a palisade cell?

	cell membrane	cell wall
A	active transport	active transport
B	active transport	support
C	support	active transport
D	support	support

Q11. (June 2024 v3)

3 The diagram shows an organism called *Chlamydomonas*.



Which processes can *Chlamydomonas* carry out?

A photosynthesis and respiration only

B photosynthesis, respiration, and protein synthesis

C protein synthesis and respiration only

D respiration only

Q12. (June 2025 v1)

3 Which structures are found in both plant and animal cells?

A cell walls and cell membranes

B nuclei and cell walls

C cytoplasm and chloroplasts

D cell membranes and nuclei

Q13. (June 2025 v2)

3 A single-celled organism has chloroplasts, a cell wall and a nucleus.

Which kingdom is this organism placed in?

A fungus

B plant

C prokaryote

D protoctist

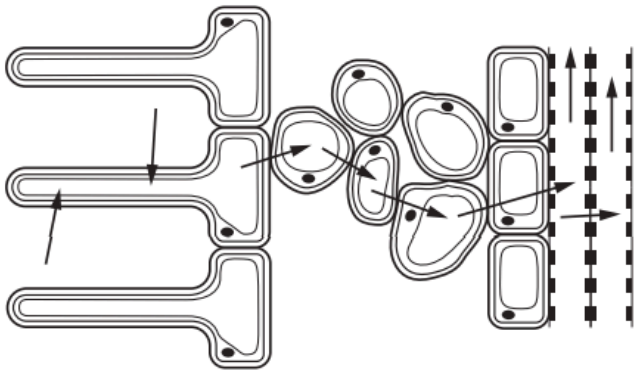
Q14. (Nov 2021 v1)

3 Which row shows the structure on the outside of a plant cell and the location of the chloroplasts in the cell?

	structure on the outside of a plant cell	location of chloroplasts
A	cell membrane	in the cytoplasm
B	cell membrane	in the vacuole
C	cell wall	in the cytoplasm
D	cell wall	in the vacuole

Q15. (Nov 2021 v2)

3 The diagram shows some tissues in part of a plant root. The arrows represent the movement of water into and across the plant root tissues.



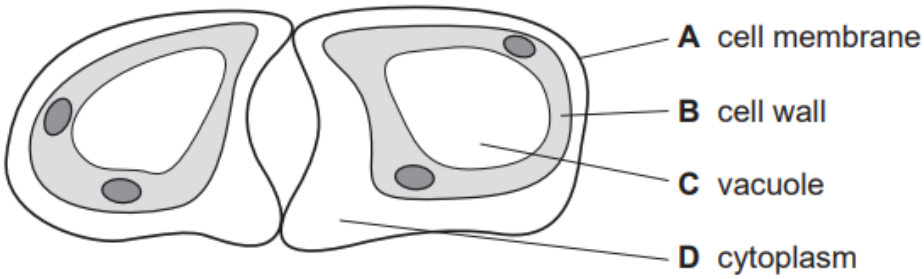
How many different tissues are shown?

A 2 **B** 4 **C** 5 **D** 7

Q16. (Nov 2021 v3)

3 The diagram shows two guard cells.

Which label is correct?



Q17. (Nov 2022 v1)

3 Root hair cells are found on plant roots.

Which feature is present in a root hair cell but **not** in a sperm cell?

A cell membrane

B cell wall

C chloroplasts

D cytoplasm

Q18. (Nov 2022 v2)

3 Root hair cells are found on plant roots.

Which feature is present in a root hair cell but **not** in a sperm cell?

A cell membrane

B cell wall

C chloroplasts

D cytoplasm

Q19. (Nov 2022 v2)

4 The cells listed have specialised structures that allow them to carry out their functions.

1 ciliated cell

2 nerve cell

3 root cortex cell

4 sperm cell

Which cells have structures that can move?

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

Q20. (Nov 2022 v3)

4 What is an example of a tissue?

A a chloroplast

B the palisade mesophyll

C a neurone

D the pancreas

Q21. (Nov 2023 v1)

3 Some structures found in cells are listed.

1 cell membrane

2 cell wall

3 mitochondria

4 nucleus

Which structures are found in prokaryotic cells?

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

Q22. (Nov 2023 v1)

4 In a mesophyll cell, where are chloroplasts found?

A between the cell wall and the cell membrane

B in the cytoplasm

C in the nucleus

D in the vacuole

Q23. (Nov 2023 v2)

4 Which features are possessed by **all** plant cells?

	a cell wall	chloroplasts
A	✓	✓
B	✓	✗
C	✗	✓
D	✗	✗

key

✓ = yes

✗ = no

Q24. (Nov 2023 v3)

4 The diagram shows the structure of a palisade cell from a leaf.

Which structure contains chlorophyll?

