

Smart Edu Hub / Smart Exam Resources

9700 / CAIE A level Biology / Paper-1/ Multiple Choice
Questions

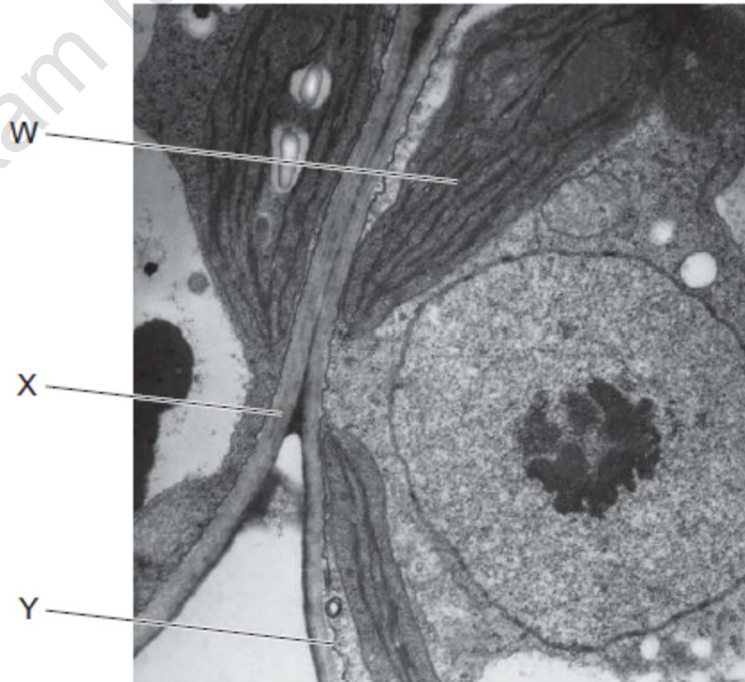
1.2.1-Eukaryotic-Cells-Set-2-qp

Total Questions: 5

Questions

Question 1:

The electron micrograph shows part of two cells.



Which labelled features identify these cells as eukaryotic?

- A** W, X and Y **B** W and X only **C** W only **D** X only

Question 2:

Which range of sizes would include most eukaryotic cells?

- A** 1×10^2 nm to $1 \mu\text{m}$
B $1 \mu\text{m}$ to $1 \times 10^1 \mu\text{m}$
C $1 \times 10^1 \mu\text{m}$ to $1 \times 10^2 \mu\text{m}$
D $1 \times 10^2 \mu\text{m}$ to $1 \times 10^3 \mu\text{m}$

Questions (Continued)

Question 3:

Which observations suggest that a cell is eukaryotic?

	cytoplasm includes endoplasmic reticulum	protein molecules are associated with the DNA	ribosomes distributed through the cytoplasm
A	✓	x	✓
B	x	✓	x
C	x	x	x
D	✓	✓	✓

key

✓ = found in eukaryotes

x = not found in eukaryotes

Question 4:

Which statements about a typical eukaryotic cell are correct?

- 1 It is smaller than $2\mu\text{m}$.
- 2 It has a nucleolus.
- 3 It has linear DNA.
- 4 It only has small (70S) ribosomes.

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

Questions (Continued)

Question 5:

What is the diameter of a typical plant cell?

A $1.0 \times 10^2 \text{ nm}$

B $4.0 \times 10^2 \text{ nm}$

C $4.0 \times 10^0 \text{ }\mu\text{m}$

D $4.0 \times 10^1 \text{ }\mu\text{m}$