

Smart Edu Hub / Smart Exam Resources

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

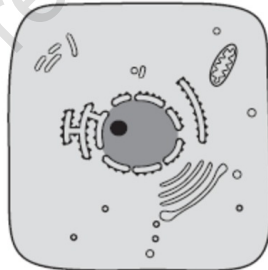
1.1.4-Light-Electron-Microscope-Set-6-qp

Total Questions: 2

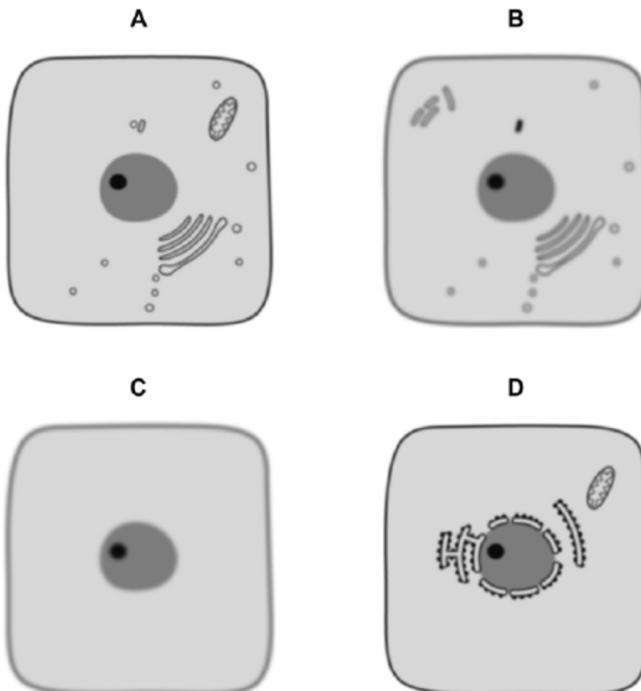
Questions

Question 1:

The diagram below is drawn from an electron micrograph of an animal cell.



Which represents the same cell, seen under a light (optical) microscope at $\times 400$ magnification?



Questions (Continued)

Question 2:

The recently discovered *Pandoravirus* measures 1000 nm in diameter.

The *Mimivirus* has a diameter of 400 nm.

What can be detected using a light microscope with a maximum resolution of $0.25\text{ }\mu\text{m}$?

- A both the *Mimivirus* and the *Pandoravirus*
- B neither the *Mimivirus* nor the *Pandoravirus*
- C the *Mimivirus*, but not the *Pandoravirus*
- D the *Pandoravirus*, but not the *Mimivirus*