

Smart Edu Hub / Smart Exam Resources

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

1.2.26-Viruses-Set-1-qp

Total Questions: 3

Questions

Question 1:

Which row could be correct for a virus?

	carbohydrate	DNA	phospholipid	lipid	protein	RNA
A	✓	✓	✓	✓	✓	✓
B	✓	x	✓	x	x	✓
C	x	✓	x	x	x	✓
D	x	✓	x	x	✓	x

key

✓ = present

x = not present

Question 2:

Which statement is correct?

- A A virus is composed of a protein coat which may surround RNA or DNA.
- B Eukaryotic plant cell walls contain peptidoglycans in addition to cellulose.
- C Plasmodesmata and centrioles are found in all plant cells.
- D Prokaryotic cells contain 80S ribosomes which they use to manufacture proteins.

Question 3:

One of the smallest viruses is the polio virus, which has a diameter of approximately 30 nm.

In 2003, the *Mimivirus* was discovered which has a diameter of approximately 680 nm.

In 2013, the *Pandoravirus* was discovered which has a diameter of approximately 1000 nm.

Which row correctly matches a cell structure with a virus that has a similar approximate size?

	polio virus	<i>Mimivirus</i>	<i>Pandoravirus</i>
A	lysosome	nucleolus	nucleus
B	nucleolus	lysosome	mitochondrion
C	nucleolus	mitochondrion	lysosome
D	ribosome	lysosome	mitochondrion