
Mastering Biology Ch. 19

Which statements about viruses are true? - answer-The capsid enters the host cell if the virus is enveloped

-A retrovirus contains RNA.

-HIV contains reverse transcriptase

-Enveloped viruses bud from the host cell

In the lysogenic cycle _____. - answer viral DNA is replicated along with host DNA

The genetic material of HIV consists of _____. – answer single-stranded RNA

What is the function of reverse transcriptase? - answer it catalyzes the formation of DNA from an RNA template.

What is the source of a viral envelope? - answer host cell membrane

Double-stranded viral DNA is incorporated into a host cell as a _____. - answer provirus

viruses only - answer envelope with glycoproteins

capsomere (core protein)

capsid

host cell only - answer ribosome

both (viruses and host cell) – answer protein

dna

rna

lytic cycle - answer-new phages are assembled from viral DNA and proteins

-the cell is lysed (broken open)

-the host is destroyed

lysogenic cycle - answer-the cell reproduces normally

-the viral DNA integrates into the chromosome of the host cell

both cycles (lysogenic and lytic) - answer viral genes are replicated

glycoprotein - answer binds to receptor molecules on the host cell membrane

Answers For Mastering Biology Ch 13

Arihant Experts



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