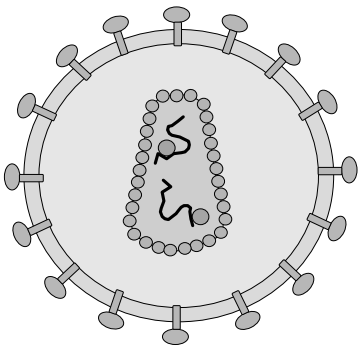
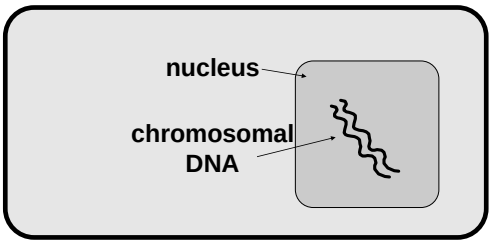
Structure of HIV
(a retrovirus)

1



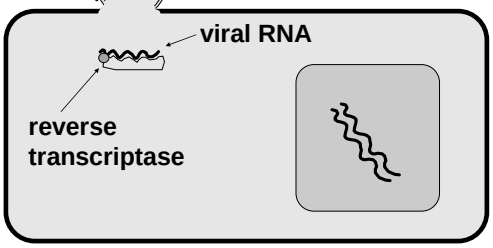
2

Helper T-Cell



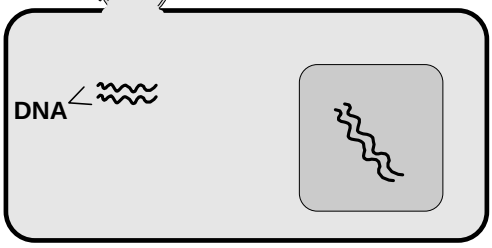
3

virus' reverse transcriptase makes DNA copy of viral RNA



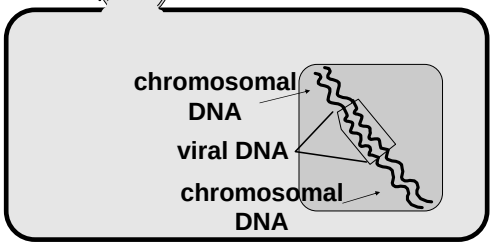
4

viral DNA heads for nucleus



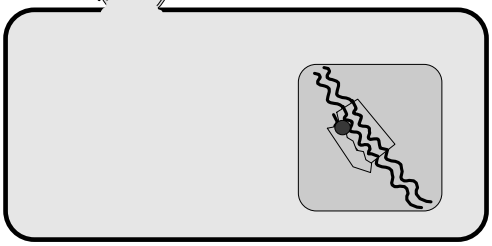
5

Viral DNA integrates into host DNA



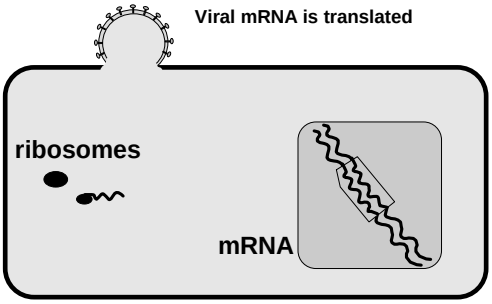
6

Something triggers viral replication … viral DNA is transcribed



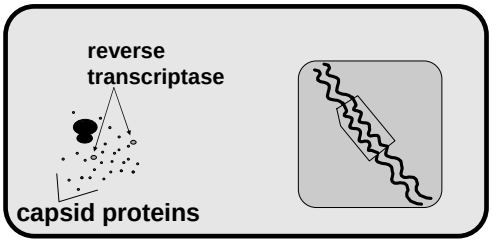
7

Viral mRNA is translated



8

Products include coat proteins, reverse transcriptase



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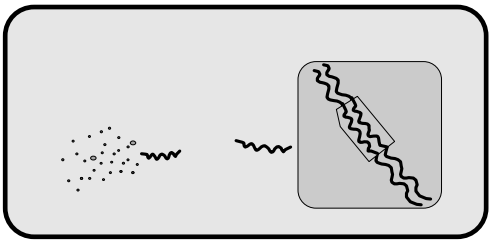
Other viral DNA codes viral RNA



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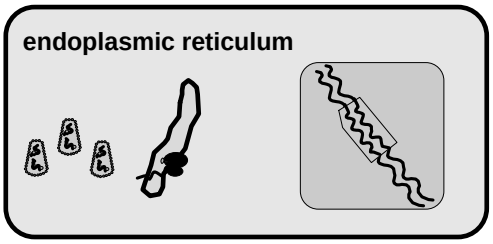
Other viral DNA codes for envelope proteins



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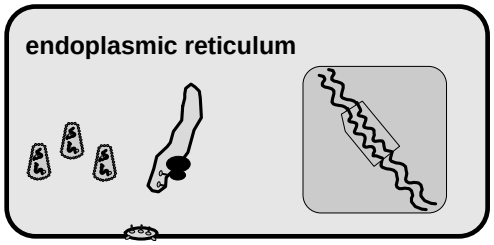
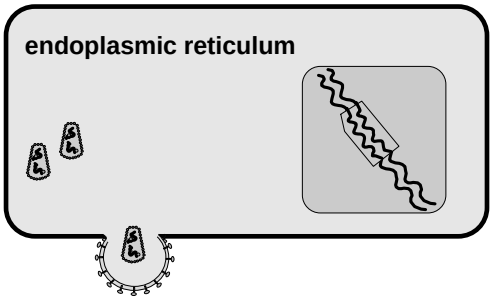
Membranous "sacs" of envelope proteins fuse with plasma membrane



12

New viruses bud off from host cell