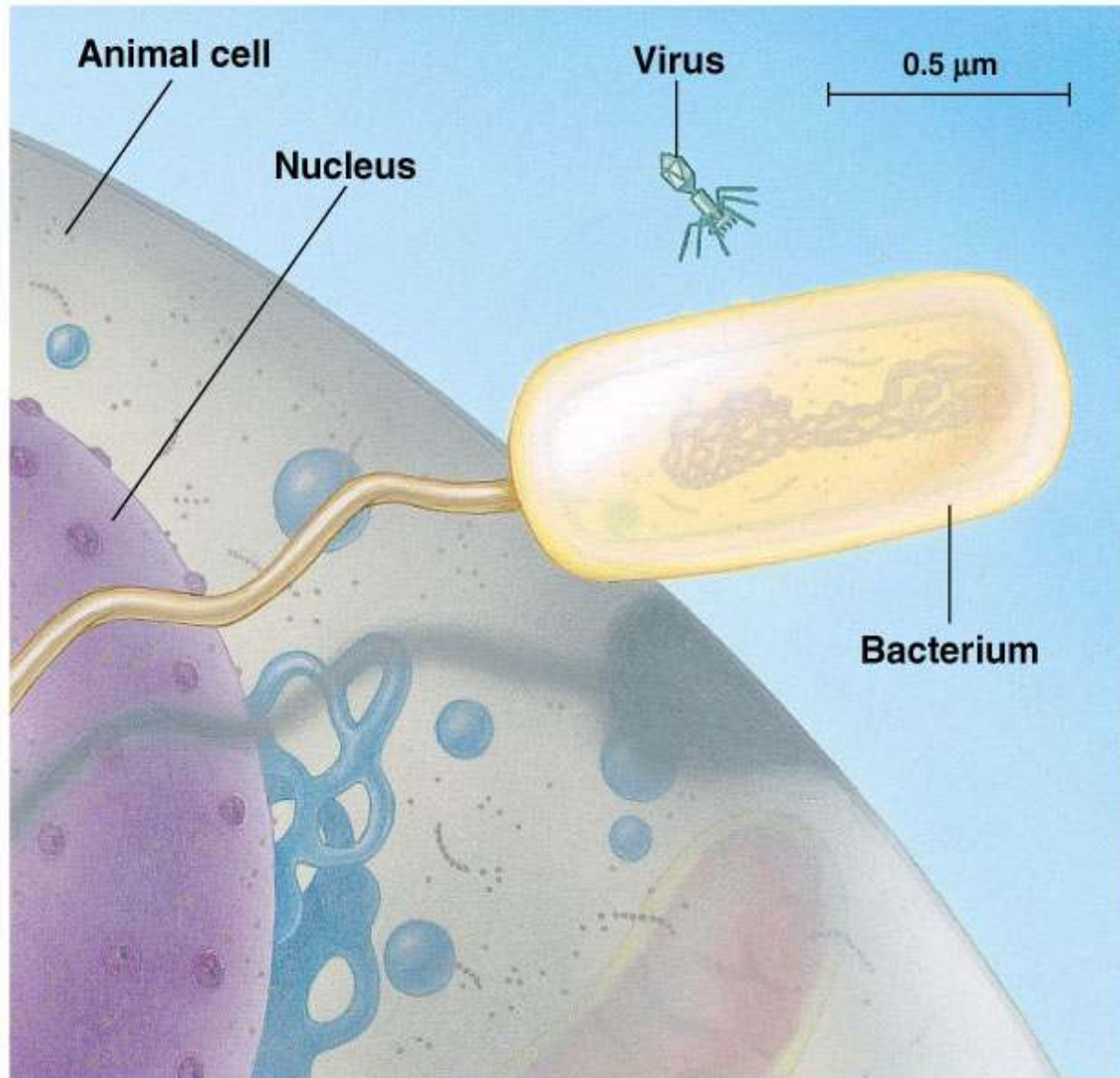


Pre AP Biology

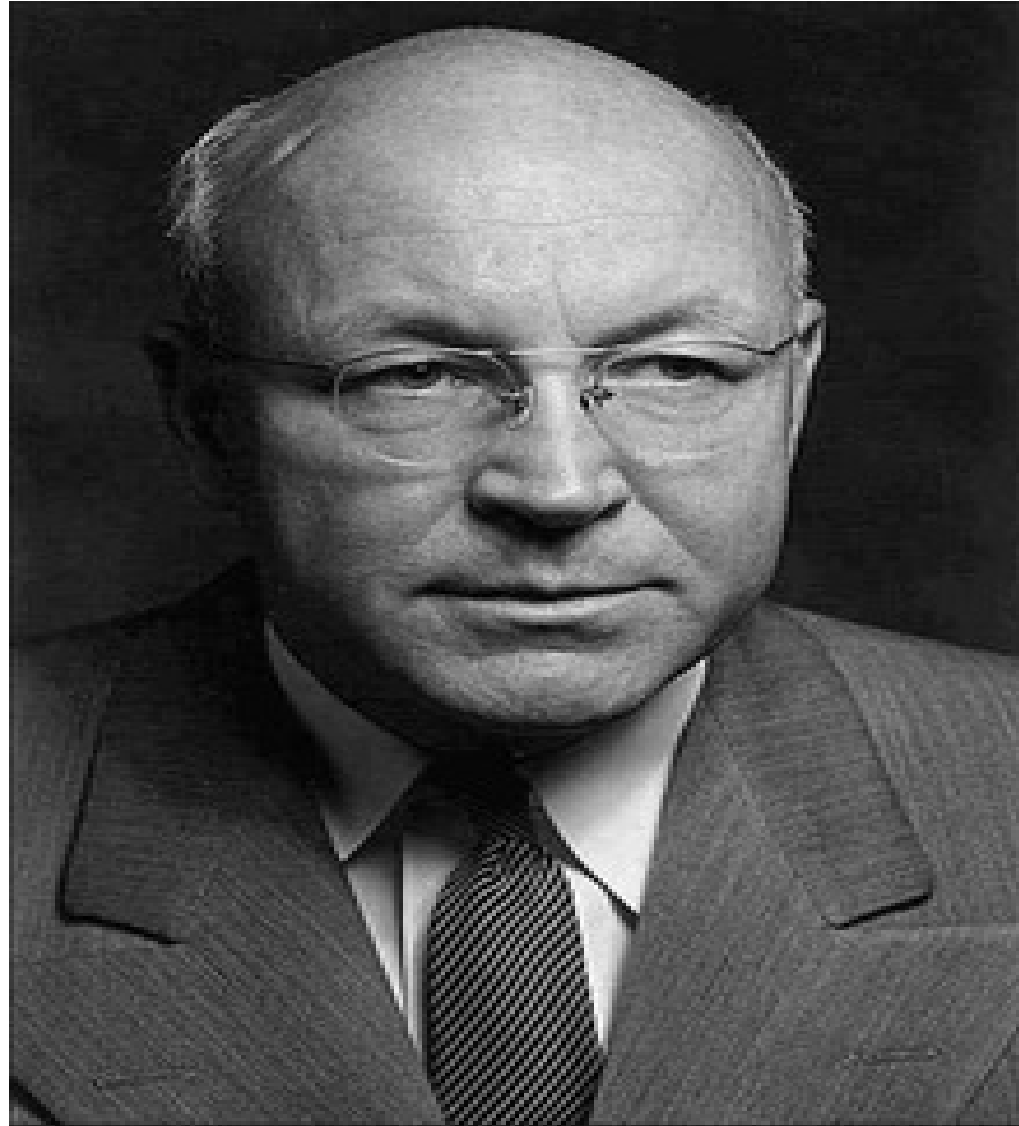
Viruses

8.2

Virus "size"



Wendell Stanley



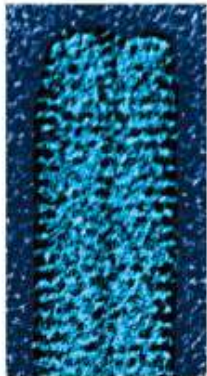
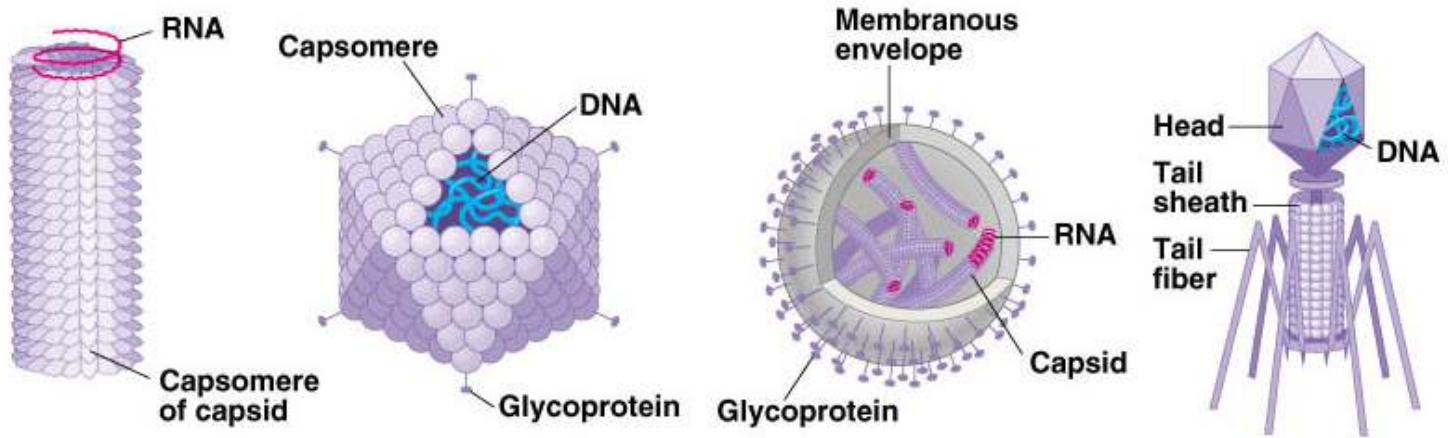
Tobacco Mosaic Virus

(Virus is making the leaf turn yellow)



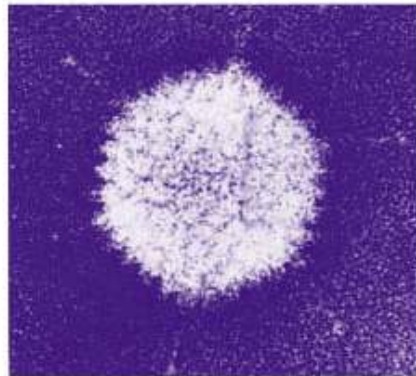
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Viral Structure



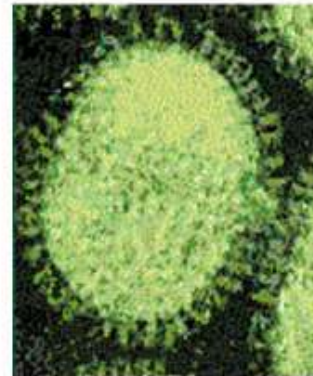
10 nm

(a) Tobacco mosaic virus



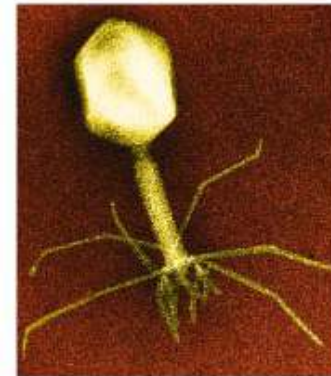
50 nm

(b) Adenoviruses



50 nm

(c) Influenza viruses

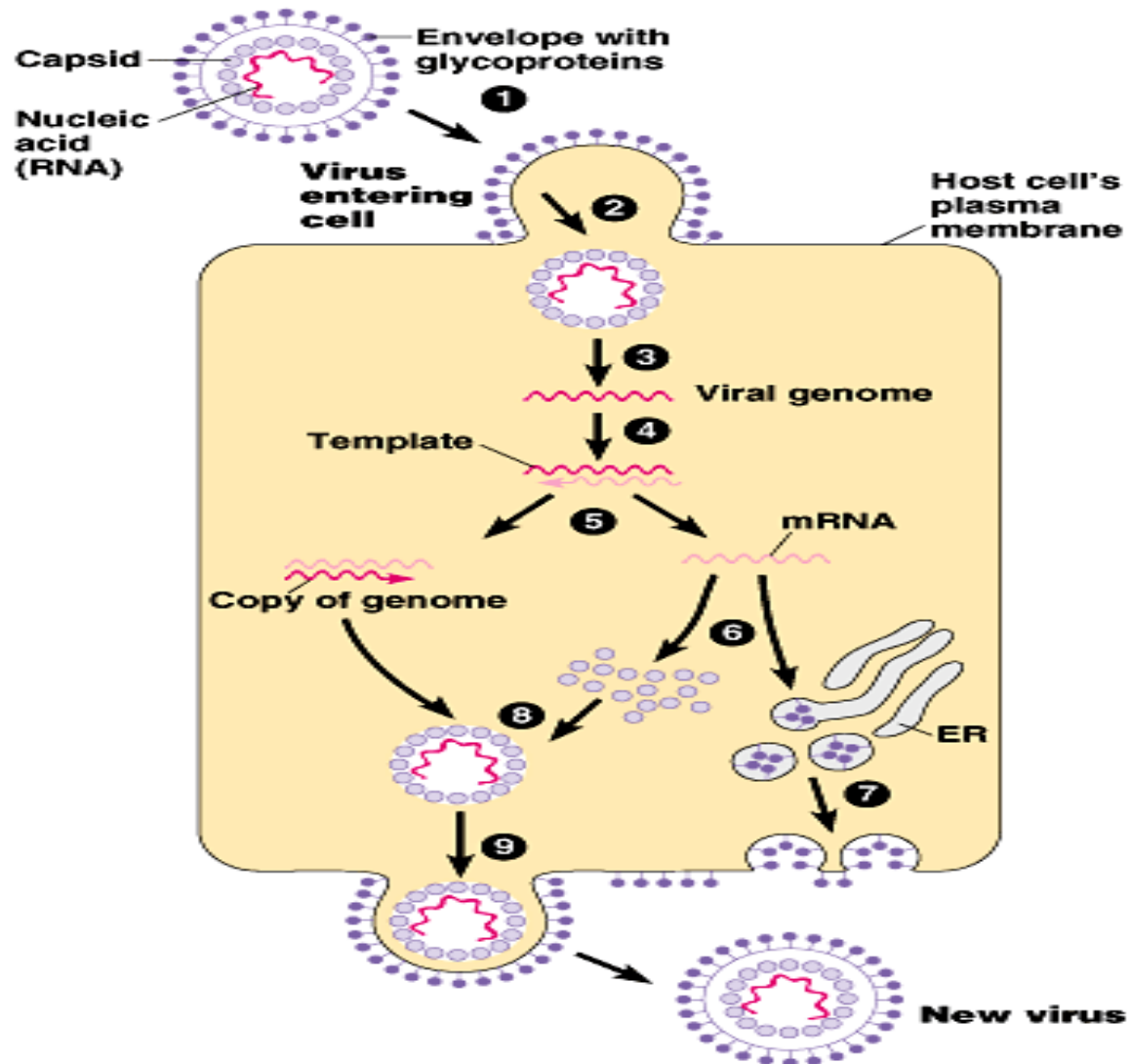


50 nm

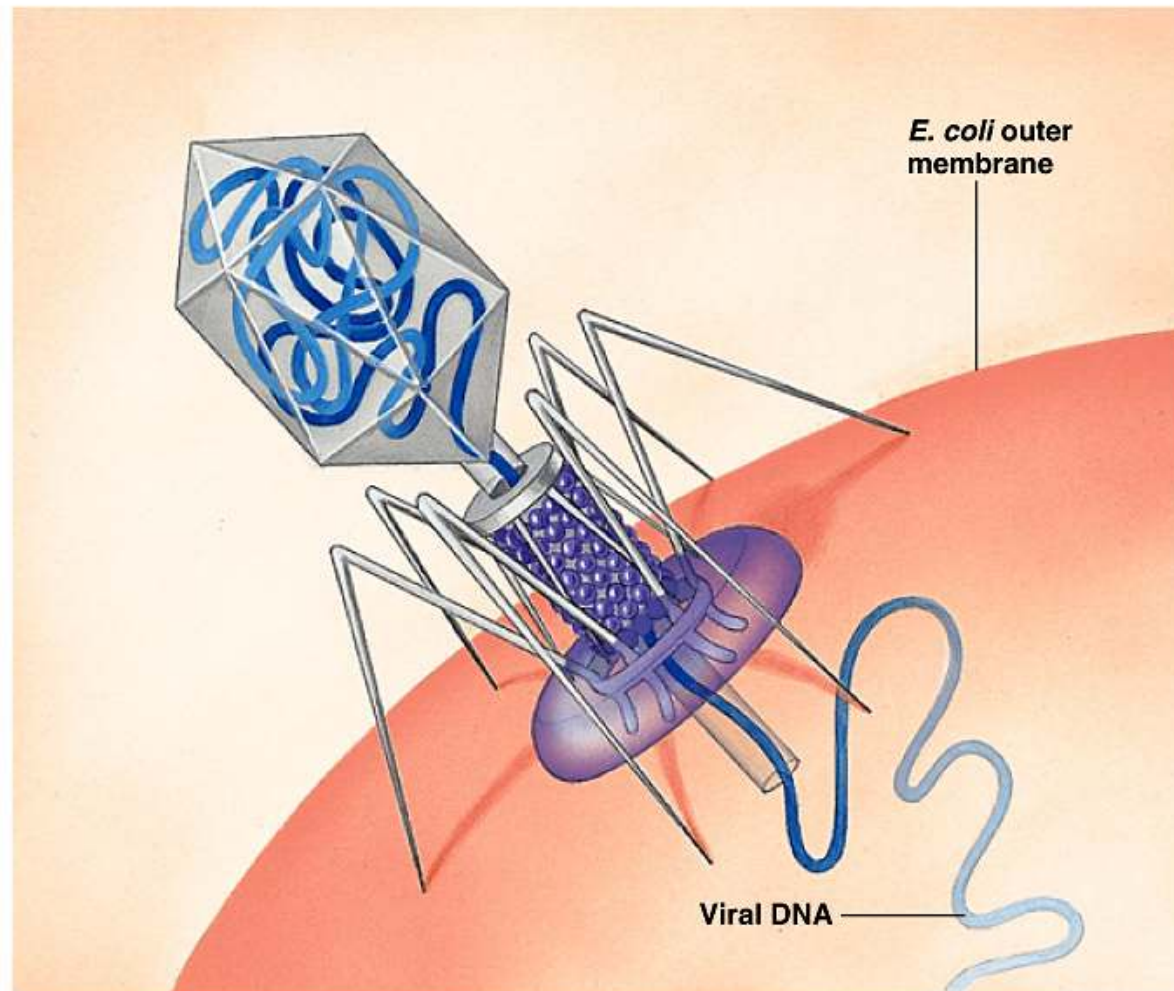
(d) Bacteriophage T4

Viral envelope from host

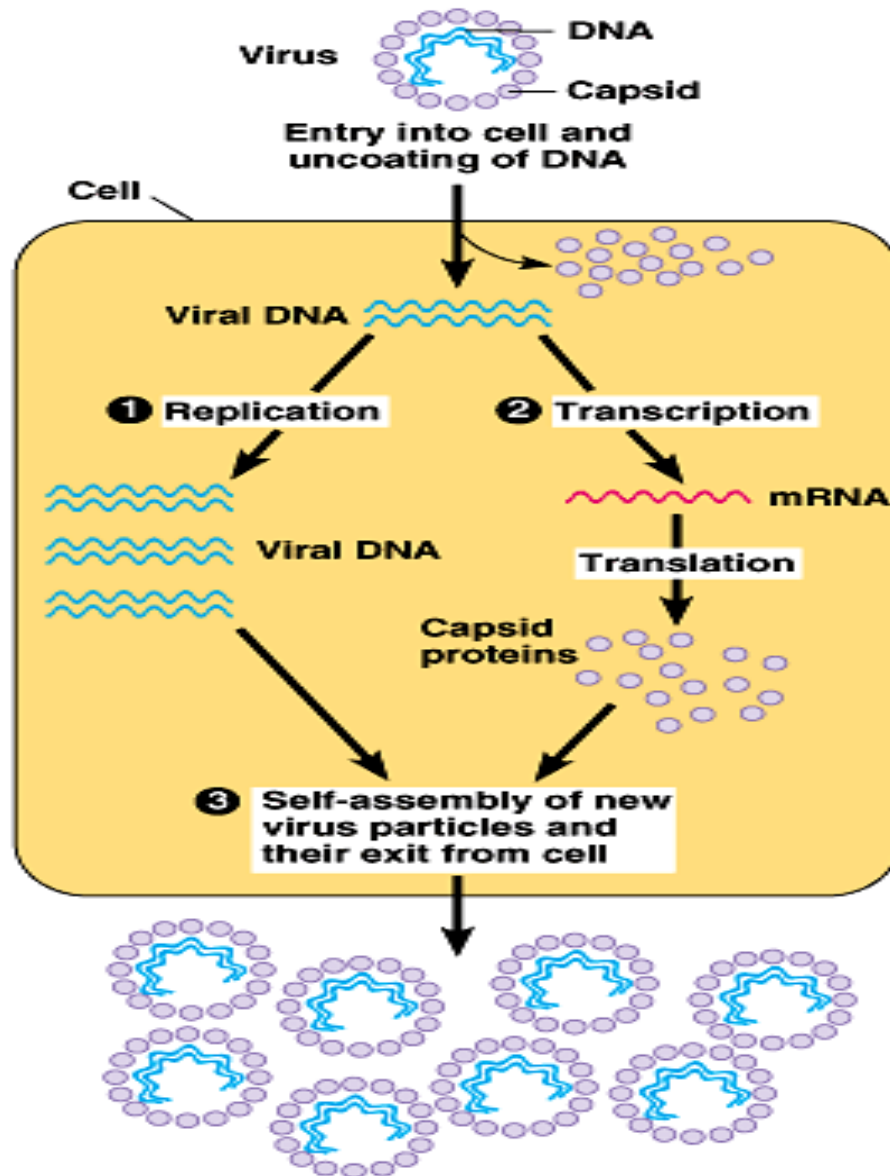
Previous host cell top.
Infected cell bottom.



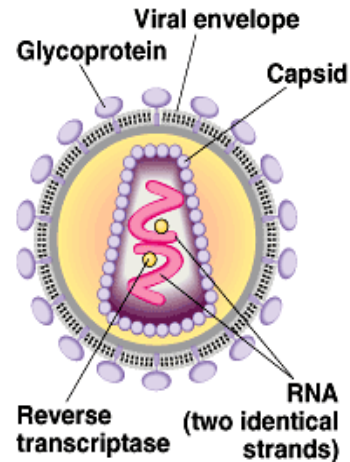
Bacteriophage attacking a bacterium.



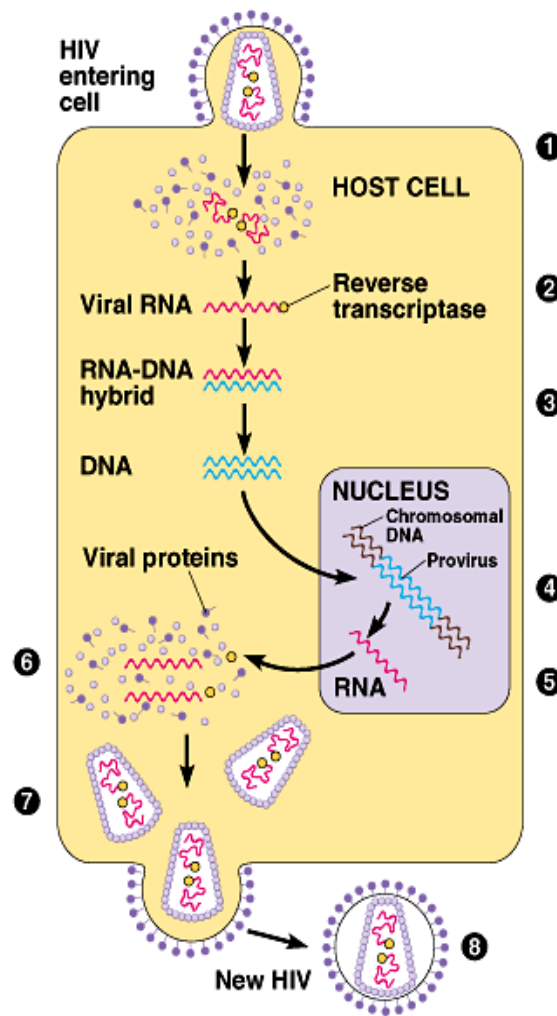
Viral Reproduction



AIDS Virus attacking a T helper white blood cell.



(a) The structure of HIV, the virus that causes AIDS



(b) The reproductive cycle of HIV

Viroids attacking a plant and turning the leaves yellow.



Prion affecting proteins of a cell.

Remember, protein structure is important in proper protein function.

