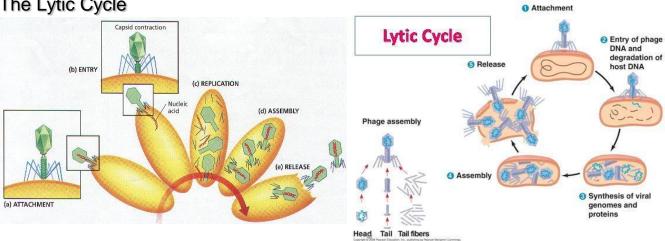
Viruses

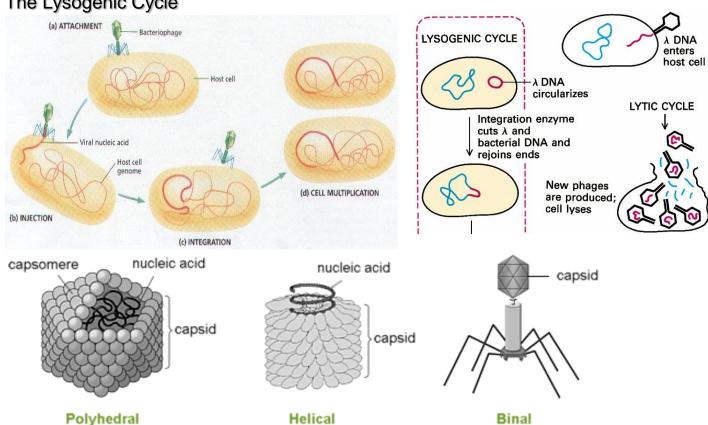
	Name	
	Date	
	Block	
	At the boundary of life, between the	(which are not
		(which are), lie the viruses and
	bacteriophages (phages).	(**************************************
	These twilight creatures are	responsible for causing many
		in humans, for example).
Vi	iruses are found everywhere.	
	Viruses consist of a_core of	, either
	, and a p	rotective coat of
and sometimes		
	In isolation, viruses and bacteriophages	show none of the expected signs of life.
	They do not respond to	, they do not they do
	not do any of the things we normally ass	
	Strictly speaking, they should not be cor	sidered "living" organisms at all. However,
	hey are more complex than a lifeless collection of macromolecules and they do	
show one of the most important signs of life: the ability to		_
D.	aatarianhagaa attaak haataria (nrakarya	100)
Dč	acteriophages attack bacteria (prokaryo	
	- viruses attack	cens.
Viruses and bacteriophages invade cells and use the host cell's machinery synthesize more of their own macromolecules.		and use the host cell's machinery to
		ecules.
	Once inside the host the bacteriophage or virus will either go into a	
		ying the host cell during reproduction.

It will go into a _____ - a parasitic type of partnership with the cell

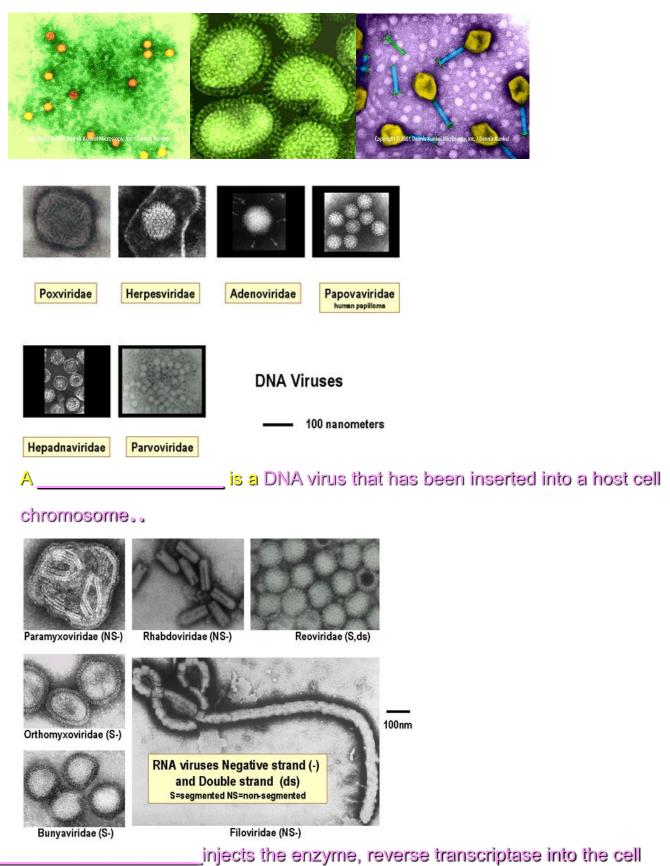
The Lytic Cycle



The Lysogenic Cycle

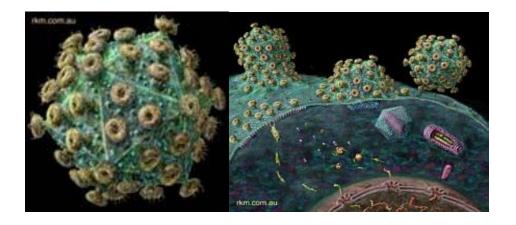


Binal



A ______injects the enzyme, reverse transcriptase into the cell to copy viral RNA into DNA.

HIV is a retrovirus injecting the enzyme, _____into the cell to copy viral RNA into DNA.



It is not the virus or the disease that ultimately kills a person; it is the inability to fight off something as minor as the common cold.

unable to fight off infections, a person is said to have the disease ______.