

The HIV Life Cycle

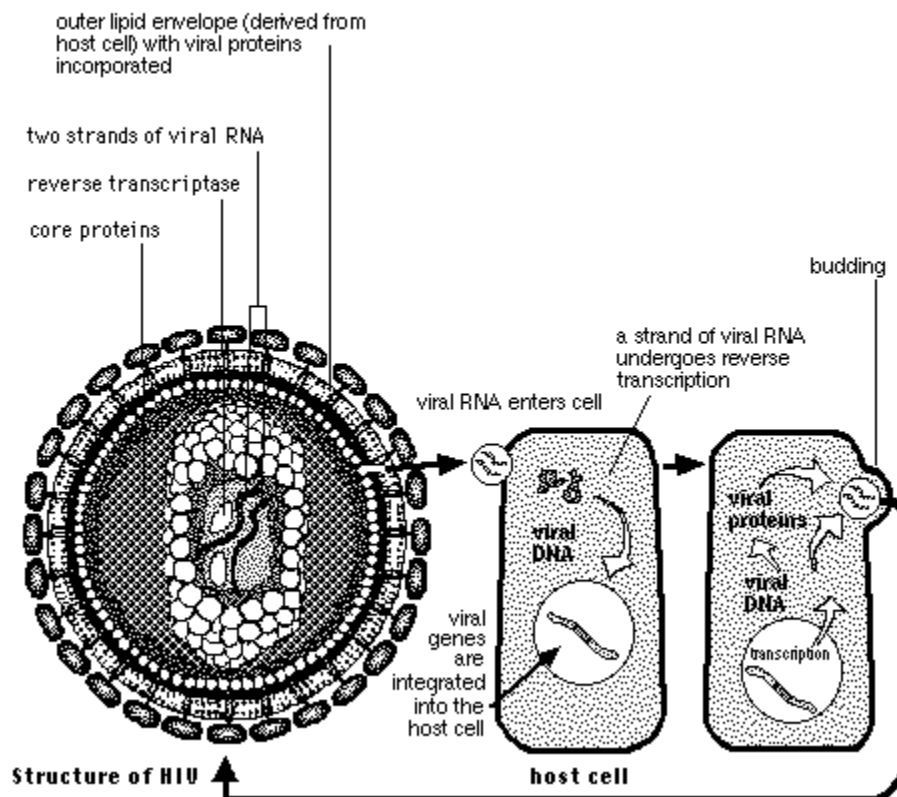
 [HIV Structure](#)



[HIV Home](#) 

The Human Immunodeficiency Virus (HIV) is an amazingly successful organism devoted to one and only one job: reproduction. HIV is an expert at this job, in fact something of an over achiever. Over TEN BILLION new viruses are produced each day in an average HIV-infected person. The average HIV virion has a half-life of about 1.5 days. The production of huge numbers of short-lived viral copies, the virus' extraordinarily high mutation rate and it's very high ratio of infecting virions to resulting viral copies, present major obstacles to successful treatment of HIV infection. [Source:www.gene.com/ae/]

Replication of HIV



 [HIV Structure](#)

[EEB Home Page](#)

[HIV Home](#) 

EEB Web Site 1998/HIV Lab--Site Maintained by [Jeff Huckaby](#), Yale University.