

Name _____ Per ____ Date _____

“Molecular Biology of an HIV Infection: An Interactive Animation”

1. Go to the website www.galaxygoo.org/hiv/hiv_lifecycle.html
2. Draw out the 6 steps (Encounter, Particle Engulfed, Capsid Dissolves, Reverse Transcription, Genome Insertion, Expression) plus the 4 Destruction Paths (Budding, Syncytium Formation, Digestion, Free gp-120) of an HIV infection.
3. In ***your own words***, briefly describe what is happening in each step. (Do NOT just copy what is on the screen. Put it in words and phrases that you understand.)

1. <u>Encounter</u>	<u>Description</u>
2. <u>Particle Engulfed</u>	<u>Description</u>

3. <u>Capsid Dissolves</u>	<u>Description</u>
4. <u>Reverse Transcription</u>	<u>Description</u>
5. <u>Genome Insertion</u>	<u>Description</u>

6. <u>Expression</u>	<u>Description</u>
7. Destructive Paths a. <u>Budding</u>	<u>Description</u>
b. <u>Syncytium Formation</u>	<u>Description</u>

<u>c. Digestion</u>	<u>Description</u>
<u>d. Free gp-120</u>	<u>Description</u>