

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.)

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

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

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|---|---------------------------|
| 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> |

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