Lytic and Lysogenic Cycles

1. What is the meaning of the word prophage?

2. Now examine the two visuals that have been provided for you at these links

1. The Lytic Cycle [**http://edtech2.boisestate.edu/kellyk/506/viralinfection.html**](http://edtech2.boisestate.edu/kellyk/506/viralinfection.html)

b) The Lysogenic Cycle [**http://edtech2.boisestate.edu/kellyk/506/lysogenicinfection.html**](http://edtech2.boisestate.edu/kellyk/506/lysogenicinfection.html)

3. Make a list of the similarities of the 2 cycles.

4. Make a list of the differences on the 2 cycles.

5. Classify each of the following viruses as Lytic or Lysogenic: (you will need to look them up)

Influenza

HIV

Herpes simples (cold sores)

H1N1

Rabies

6.  In what ways can a virus be helpful to its host?

7. What is the role of the host cell in viral reproduction?