

5. View slides 7 and 8 and read the accompany text.
 - a) Why is Dr. Wendell Stanley significant in the history of virology?
 - b) Name four viruses that attack plants.
 - c) What are two viruses that are known to cause cancer in animals?

6. The West Nile virus has been in the news the past year. Use the internet site to answer the following questions.
 - a) Where in North America has the West Nile virus been found?
 - b) What is a vector? What is the vector for the West Nile virus?
 - c) What disease does this virus cause?

7. Use the internet resources to research information on the herpes viruses.
 - a) What are four conditions cause by the herpes viruses?
 - b) What is the relationship between chickenpox and shingles?

8. Divide a blank piece of paper into six sections. Use lab references or the internet to find the following viruses. Sketch diagrams of these.
 - a) Bacteriophage
 - b) Tobacco mosaic virus
 - c) Leukemia virus
 - d) Ebola virus
 - e) Polio virus
 - f) HIV

Conclusion:

- a) Explain how viruses differ from cells?
- b) What are the living and nonliving characteristics of viruses?