

Biology 2nd 9 Weeks, Week 2.2-2.3 Warm-up 2

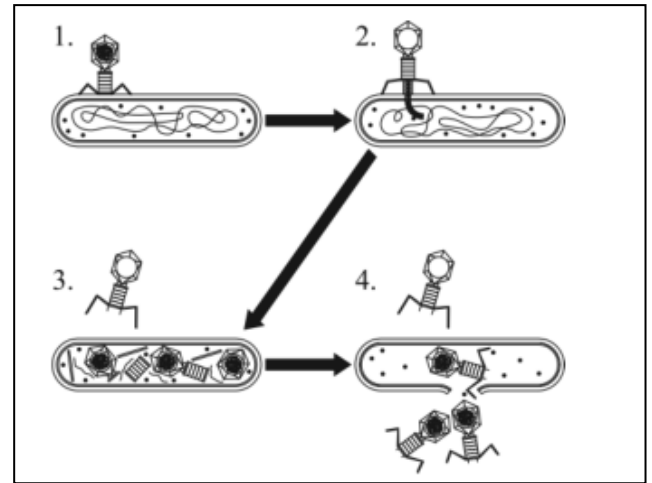
Directions: Answer the following questions using your notebooks, and provide a justification for each question.

1. Viral activity is represented in the diagram shown.

Invading the host cell enables the virus to reproduce using the host cells machinery. The diagram shows the virus during the _____.

- f. lysogenic cycle
- g. latent cycle
- h. menstrual cycle
- j. lytic cycle

Justification --



2. People infected with the human immunodeficiency virus (HIV) have an increased risk of dying from secondary infections. Which of these best explains how HIV increases the danger of secondary infections?

- f. HIV produces antigens that damage red blood cells.
- g. HIV adds genetic material from harmful microbes.
- h. HIV destroys helper T cells.
- j. HIV consumes beneficial microbes in the body.

Justification –

3. After an initial infection, B-cells recognize the measles virus. How is this helpful to the human immune response?

- f. The B-cells use this recognition to defend the body against other pathogens, such as bacteria.
- g. The B-cells more quickly recognize and respond to any other virus that invades the body.
- h. The B-cells produce antibodies more quickly if the measles virus is encountered again.
- j. The B-cells transfer this recognition to the T-cells, which will then devour the viruses.

Justification --