

Vocabulary

- Pathogen
- Virus
- Surface Markers
- Receptor Sites
- B-Cells
- T-Cells
- HIV
- Vaccines

Virus: Disease

1. How do pathogens like the flu virus recognize and infect specific target cells? Use appropriate vocabulary in your response.

2. Describe the responses involved in innate immunity.

3. What happens if a pathogen overwhelms the responses involved in innate immunity? Describe the next phase in your body's response to an invading pathogen.

4. Immunodeficiency means the failure of the immune system to protect the body from infection. Explain how HIV causes immunodeficiency in the body.

5. Describe three different pathogens, the diseases they cause, and possible treatments for each.
6. Compare and contrast the body's reaction to an invading pathogen to the body's reaction to vaccination.
7. What is immunity? Describe at least two different ways you can develop immunity to a pathogen.