

Name \_\_\_\_\_

## The Great Escape: How Pathogens Outsmart the Immune System

### Open-Ended Response Questions

1. Can you explain how pathogens evade detection by mimicking host cells, and why this strategy is effective in evading the immune system?
2. Discuss the role of rapid mutation in helping pathogens evade the immune system and why this makes it difficult for the immune system to mount an effective response.
3. How do pathogens suppress or manipulate the immune response, and what are the consequences of these actions on the host?
4. Why is understanding the strategies pathogens use to evade the immune system important for developing effective strategies to combat infectious diseases?

