

Name _____

Exploring the World of Medical Microbiology

Open-Ended Response Questions

1. Explain how medical microbiologists use epidemiological surveillance to track the spread of infectious diseases within communities.
2. Discuss the importance of antibiotic susceptibility testing in guiding antibiotic treatment decisions.
3. Describe a scenario in which medical microbiologists might collaborate with other healthcare professionals to diagnose and treat a patient with an infectious disease.
4. Explain why understanding the biology and behavior of pathogens is essential for the development of effective vaccines.

