

Name _____

Microscopic Sleuths: Identifying Microorganisms in Clinical Settings

Open-Ended Response Questions

1. Describe the process of culture and sensitivity testing and explain its significance in diagnosing and treating infectious diseases.
2. Discuss the role of PCR in detecting microorganisms in clinical samples and its advantages over traditional methods.
3. Explain the importance of serological testing in diagnosing infectious diseases and monitoring patients' immune response.
4. How has mass spectrometry revolutionized the identification of microorganisms in clinical microbiology, and what are its benefits compared to other techniques?

