

Name _____

Unraveling the Mystery: Identifying Microorganisms in Clinical Settings

Open-Ended Response Questions

1. Describe the process of culture and sensitivity testing and how it helps in diagnosing and treating infectious diseases.
2. Explain how PCR amplifies small amounts of DNA or RNA and its significance in identifying specific microorganisms.
3. Discuss the importance of serological testing in diagnosing infectious diseases and its role in detecting antibodies produced by the immune system.
4. How has mass spectrometry revolutionized the identification of microorganisms in clinical microbiology laboratories, and what are its advantages over traditional methods?

