

Name _____

Unraveling the Mystery: Identifying Microorganisms in Clinical Settings

Multiple Choice Questions

1. How are microorganisms identified through microscopic examination?
 - A) By observing their behavior in a petri dish
 - B) By analyzing their DNA using PCR
 - C) By measuring their mass using mass spectrometry
 - D) By observing their size, shape, and arrangement under a microscope

2. What is the purpose of culture and sensitivity testing?
 - A) To identify microorganisms and determine their susceptibility to antibiotics
 - B) To detect the presence of antibodies in the patient's blood
 - C) To grow microorganisms in a controlled environment
 - D) To amplify small amounts of DNA or RNA

3. Which molecular technique is used to amplify small amounts of DNA or RNA to detect specific microorganisms?
 - A) Serological testing
 - B) Mass spectrometry
 - C) PCR
 - D) Microscopic examination

4. What do serological tests detect in patients' blood or bodily fluids?
 - A) Presence of antibodies
 - B) Presence of viruses
 - C) Presence of bacteria
 - D) Presence of fungi

5. How does mass spectrometry identify microorganisms?
 - A) By observing their size and shape under a microscope
 - B) By growing them in a controlled environment
 - C) By analyzing their unique protein profiles
 - D) By detecting the presence of antibodies in the patient's blood

