

## Instructions

Read the following questions carefully and provide clear and concise answers based on your understanding of forensic science. Take your time to think critically about each question and provide examples where appropriate.

### Section 1: Understanding Forensic Science

1. Define forensic science in your own words. Explain its importance in the criminal justice system.

2. Describe at least three different branches of forensic science and what each specializes in.

3. Discuss how forensic science has evolved over the last few decades. Include any significant technological advancements.

### Section 2: Forensic Techniques

4. Explain the process of fingerprint analysis. How is it used in criminal investigations?

5. What role does DNA analysis play in forensic science? Provide examples of cases where DNA evidence was crucial.

6. Discuss the significance of ballistics in forensic science. What can it tell investigators about a crime?

**Section 3: Ethics and Legal Considerations**

7. What ethical considerations must forensic scientists take into account when conducting their work?

8. Describe the concept of chain of custody in forensic science. Why is it critical for legal proceedings?

9. Reflect on a case in which forensic science played a crucial role in solving a crime. What were the forensic findings and their impact on the outcome of the case?

**Section 4: Personal Reflection**

10. After studying forensic science, how has your perception of criminal investigation changed? Are you considering a career in this field? Why or why not?