

Forensic Science Challenges

Forensic Science · Answer Key · 8 Questions

1. Which type of fingerprint is most commonly found on surfaces, and is made of a sticky substance like sweat and oils?

- A) Latent prints**
- B) Plastic prints
- C) Visible prints
- D) Molded prints

2. In forensic entomology, the study of insects found at a crime scene, which stage of insect development is often crucial for determining the time of death?

- A) Larval stage (maggots)**
- B) Egg stage
- C) Adult insect stage
- D) Pupa stage

3. What is the name for the study of teeth and their structure, often used to identify human remains?

- A) Odontology**
- B) Anthropology
- C) Osteology
- D) Toxicology

4. When analyzing soil samples found on a suspect's shoes, forensic scientists look for specific minerals and particles. What is the primary goal of this soil analysis?

- A) To link the suspect to a specific location**
- B) To determine the age of the soil
- C) To identify the type of plant life in the soil
- D) To measure the moisture content of the soil

5. What is the unique characteristic of a person's gait (their way of walking) that forensic scientists can sometimes analyze from footprints?

- A) Stride length and foot angle**
- B) The color of their shoes
- C) The speed at which they walk
- D) The direction they are facing

6. In forensic ballistics, what is the term for the microscopic marks left on a bullet as it travels through the barrel of a gun, which can help identify the firearm used?

A) Striations

B) Grooves

C) Ridges

D) Caliber

7. What scientific technique uses a process of separating and identifying different chemical substances within a sample, often used to analyze drugs or poisons?

A) Chromatography

B) Spectroscopy

C) Microscopy

D) Electrophoresis

8. When examining handwriting, forensic document examiners look for specific characteristics that are unique to an individual. What is one of these characteristics often called?

A) Hortatory features

B) Calligraphic flourishes

C) Spurious marks

D) Graphological patterns