

Forensic Science Foundations

Forensic Science · Answer Key · 12 Questions

1. In what year did Sir Alec Jeffreys discover the process of DNA fingerprinting?

- A) 1974
- B) 1984**
- C) 1994
- D) 2004

2. How many basic fingerprint patterns are there in the Henry Classification System?

- A) 2
- B) 3
- C) 5**
- D) 8

3. In 1892, who published the book 'Finger Prints', which established the first scientific method for fingerprint identification?

- A) Francis Galton**
- B) Edmond Locard
- C) Alphonse Bertillon
- D) Mathieu Orfila

4. Who is known as the 'father of forensic toxicology' for his 1814 work on the detection of poisons?

- A) Calvin Goddard
- B) Mathieu Orfila**
- C) Hans Gross
- D) Leone Lattes

5. What is the name of the principle stating that 'every contact leaves a trace', formulated by Edmond Locard in the early 20th century?

- A) The Law of Probability
- B) The Principle of Exchange**
- C) The Law of Identity
- D) The Principle of Causality

6. In 1910, where did Edmond Locard establish the world's first police crime laboratory?

- A) London, UK
- B) Paris, France
- C) Lyon, France**
- D) Berlin, Germany

7. What century saw the first recorded use of blood spatter analysis in a criminal trial?

- A) 16th century
- B) 18th century
- C) 19th century**
- D) 20th century

8. In 1925, who perfected the comparison microscope for use in bullet identification?

- A) Calvin Goddard**
- B) Albert Osborn
- C) Henry Faulds
- D) John Larson

9. How many matching 'minutiae' points are traditionally considered sufficient for a fingerprint match in many jurisdictions?

- A) 3 to 5
- B) 8 to 12**
- C) 20 to 25
- D) 50 to 60

10. The first use of DNA profiling to solve a crime in the UK occurred in what year?

- A) 1986**
- B) 1990
- C) 1995
- D) 2000

11. Alphonse Bertillon developed a system of physical measurements known as what?

- A) Anthropometry**
- B) Dactyloscopy
- C) Ballistics
- D) Serology

12. In 1921, who invented the first functional polygraph machine (lie detector)?

- A) August Vollmer
- B) John Larson**
- C) James Marsh
- D) Karl Landsteiner