

Space and Forensic Science

Forensic Science · Practice Test · 7 Questions

1. Which field of study applies astronomical calculations and celestial facts to help establish timelines in historical investigations and art forensics?

- A) Astrobiology
- B) Forensic Astronomy
- C) Cosmochemistry
- D) Forensic Geology

2. What space object that falls to Earth is analyzed using forensic laboratory techniques like mass spectrometry to identify its minerals?

- A) Comet tail
- B) Solar flare
- C) Meteorite
- D) Black hole

3. High-resolution imagery from satellites in orbit is used in satellite forensics primarily to investigate which Earth-based issue?

- A) Large-scale illegal deforestation
- B) Deep-sea ocean currents
- C) Solar wind fluctuations
- D) Ozone layer depletion

4. Which dating technique used in forensic science to determine the age of organic remains is also used by planetary scientists to date ancient materials?

- A) Fingerprint dusting
- B) Handwriting analysis
- C) Facial reconstruction
- D) Radiometric dating

5. When artificial space debris falls to Earth, forensic investigators examine what specific detail to trace its spacecraft manufacturer?

- A) Genetic markers
- B) Serial numbers
- C) DNA sequences
- D) Refractive indices

6. Which type of invisible light, used by astronomers to study hot stars, is also used by forensic scientists to detect body fluids at crime scenes?

- A) Sound waves
- B) Radio waves
- C) Ultraviolet (UV) light
- D) Gamma rays

7. Which instrument commonly used in forensic labs to examine hair and fiber evidence is also used to inspect microscopic cosmic dust particles?

- A) Scanning Electron Microscope (SEM)
- B) Seismograph
- C) Stethoscope
- D) Geiger counter