

## Chapter 1 Reading Check Questions

Answer each question on your own paper. Use complete sentences.

### Introduction

1. Give 2 definitions of forensic science.
2. Why are laws being revised and broadened in the criminal justice system?
3. Why has science been used in the criminal justice system?
4. What are the 4 scientific disciplines discussed in the book?
5. What does the word criminalistics mean?

### History and Development of Forensic Science

1. What are the origins of forensic science based upon?
2. Explain Sir Arthur Conan Doyle's role in establishing forensic science. Include the name of his famous character.
3. Explain the significance of the following people in the History of Forensic Science
  - Mathieu Orfila
  - Alphonse Bertillon
  - Francis Galton
  - Leone Lattes
  - Calvin Goddard
  - Albert S. Osborn
  - Walter C. McCrone
  - Hans Gross
  - Edmond Locard
4. Explain Locard's exchange principle.
5. Name the first agency in the U.S. dedicated to forensic science. Who was the first director of this agency and when was it founded?
6. Explain the importance of opening the Forensic Science Research and Training Center in the U.S. What agency was responsible for opening this center and when was it opened?
7. What is the oldest forensic science lab in the U.S.? When was it opened and by whom? Where is it located? Explain its importance to its brother law enforcement department.
8. Contrast America's forensic science system with that of England.

### The Organization of a Crime Laboratory

1. According to the textbook, how many crime labs are currently operating in the U.S. and at what levels do they operate?
2. What are the 3 general places that a crime lab can be located?
3. Describe the general reasons crime labs were established.
4. According to the text, what is the main reason why the numbers of crime labs in the U.S. have increased in recent years? Be specific about your answer.
5. Name the 4 major crime labs in the U.S. and describe the role of each.
6. How is Alabama's crime labs organized?
7. Name the 3 major crime labs in Canada.
8. About how many countries worldwide have at least one crime lab?

### Services of the Crime Laboratory

1. Describe the 3 reasons for variation between crime labs.
2. Name the 5 departments in the full-service crime lab. Be sure to describe the function(s) of each.
3. Name and describe the 5 optional services or departments that may be a part of a full-service crime lab. Be sure to describe the function(s) of each.

### The Functions of the Forensic Science

1. Analysis of Physical Evidence
2. Describe the two main functions of the forensic science.
3. Describe the precedent set forth by the court decisions *Frye V. United States*. Explain its importance to the forensic science and judicial system.