

Sharyland ISD Study Guide

Forensics Semester 2



Student Name: _____
Student ID: _____

Name: _____ Class: _____ Date: _____

Forensics CBA- part 2 Study-guide

1. Know the four nitrogenous bases of DNA and their base pairing rule.
2. What is a nucleotide composed of?
3. How is PCR used in obtaining DNA evidence in solving a crime?
4. DNA is found where in the human body?
5. How is the mitochondria DNA inherited?
6. DNA from nucleated cells is inherited from?
7. Where are chromosomes found?
8. How many pairs of body chromosomes do humans have? How many pairs of sex chromosomes are found in the human body?
9. What are the blood types found in the human body? What antigens and antibodies does each blood type have present?
10. How is blood pattern used in solving crime?
11. What weapons would make low velocity spatter, medium velocity spatter, and high velocity spatter?
12. Questioned document examiners investigate what type of evidence?
13. Can someone change or disguise their handwriting? If so how?
14. A document examiner needs what in identifying hand writing?
15. What agency is responsible for suppressing counterfeiting?
16. Drugs and drug related crimes make up what percent of evidence examined in a forensic lab?
17. What is US currency made of?
18. Toxicity is determined by?
19. Who is the father of toxicology?
20. Chronic exposure to toxins is?
21. Acutely toxic is?
22. Blood alcohol content is dependent on?
23. Which body organ metabolizes alcohol?
24. What is the percentage of traffic deaths that are related to alcohol?
25. What is an indicated of cyanide poisoning?
26. When was the breathalyzer invented?
27. What is an indicated of carbon monoxide poisoning?
28. A single shot or bullet in a shotgun shell is called a?
29. What can leave marks on a cartridge?
30. Tire impressions can be class evidence or individual evidence. What can make them unique and be individual evidence from another tire?
31. Ted Bundy the serial killer was convicted on what kind of evidence did they use?

32. As a bullet leaves the muzzle of a weapon it carries along with it some of the unburned particles as well as combustion products primarily coming from what (a kind of chemical)?
33. What is the function of the magazine (part of the gun)?

Vocabulary terms that need to be defined and studied.

- CODIS -DEA -Kastle-Meyer Test -A Watermark
- Precipitin Test -Agglutination -Chromatography - Duquenois-Levine
- Blind forgery -Simulated forgery -Hallucinogen - Stimulant
- Greiss -Sodium rhodizonate test - A spot test -Forensic ballistics