

1) What is the definition of Forensic Science? (Look this up in "The forensics for dummies book") (Vocab)

Match the term with the proper Definition: (Session 2 through 6)

- | | |
|-------------------------|--|
| 2) _____ gene | a) A sequence of nucleotides along a segment of DNA |
| 3) _____ chromosome | b) Carrys genes in a linear order |
| 4) _____ evidence | c) Data that would be used to prove something |
| 5) _____ chromatography | d) Seperation of mixtures on a piece of filter paper |

6) Explain Locard's Exchange Principle. (Session 1)

7) A grocery store has been robbed. The room is 27'6" x 29'6". What is the crime scenes total area in square feet? (Hint convert the inches into feet) (Session 1)

- a) 900.75
- b) 804
- c) 811.25
- d) 865

8) A Car is represented in a scale drawing by a rectangle that is 1.25" x 2.25". If the scale of the drawing is $1/8"=1'$, what are the dimensions of the car?

(Session 1)

- a) 13' x 4'
- b) 10' x 18'
- c) 15' x 19'
- d) 18' x 10'

9) If a scale of $1/8"=1'$ is used in creating a scaled drawing, what is the length of a line representing a wall that is 24' long? (Session 1)

- a) 5'
- b) 4"
- c) 3'
- d) 5"

10) Hair strands, clothing threads, carpet fibers, dust, and powders are all examples of _____ Evidence. (Session 2)

11) Loops, Whorls, and Arches are examples of _____. (Session 2)

12) Identical twins usually have the following in common: DNA fingerprints, Eye color, and hair color. Why would their fingerprints NOT be the same?
(Session 2)

13) The Henry System is used to narrow down criminals by looking at suspects hair samples. If False, what is the correct answer? (RCA 3)

a) True

b) False

14) What were Watson Crick and Wilkins awarded the Nobel Prize for? (What did the discover)

(Session 3)

a) Fingerprint Shapes

b) Crime Scene Photos

c) DNA

d) Chromotography

15) What does the acronym DNA stand for? (Session 3)

16) What are Nucleotides composed of? (Session 3)

a) Sugar, Phosphate, and Nitrogenous Base

b) Sugar, Nitrogen, and Adenine

c) Sugar, Thymine, and Nitrogen

d) Sugar, Phosphate, and Deoxyribose

17) DNA extraction is the first step in obtaining a DNA fingerprint. If false, what is the correct answer? (Session 4)

a) True

b) False

18) Separation of chemical compounds into molecular components is a result of what process? (Session 6)

a) Osmosis

b) Chromatography

c) Sublimation

d) Photography