

## Physical Evidence Notes

Name \_\_\_\_\_

1. The value of trace forensic evidence was first recognized by Edmund \_\_\_\_\_ in 1910. The Locard's Exchange Principle states that "with \_\_\_\_\_ between two items, there will be an \_\_\_\_\_."

2. Complete each section below as you discuss the notes in class.

### Paint

What is an example of a "class" characteristic? \_\_\_\_\_

What is an example of an "individual" characteristic? \_\_\_\_\_

### Glass

What are three characteristics of glass that could be used to match glass from a crime scene to a suspect?

\_\_\_\_\_

### Explosives

How do scientists match bombs and other explosive devices to suspects? \_\_\_\_\_

\_\_\_\_\_

### Ballistics

What does the abbreviation GSR represent? \_\_\_\_\_

What is rifling? \_\_\_\_\_

What does the acronym IBIS mean? \_\_\_\_\_

### Dust & Dirt

How could dust or dirt be used in an investigation? \_\_\_\_\_

\_\_\_\_\_

### Fingerprints

What are the 3 main types of fingerprints? \_\_\_\_\_

What does the acronym AFIS mean? \_\_\_\_\_

### Impression Evidence

Give 3 examples of impression evidence. \_\_\_\_\_

### Fractures Matches

What are fracture lines? \_\_\_\_\_

Give an example of a type of evidence that might be identified using a fracture match. \_\_\_\_\_

### Wounds

What information can be learned from a wound? \_\_\_\_\_

\_\_\_\_\_

## **Documents**

Besides handwriting, what else could an investigator use to match a ransom note to a suspect? \_\_\_\_\_

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## **Insects**

What type of insects are helpful in a murder investigation? \_\_\_\_\_

What is PMI? \_\_\_\_\_

## **DNA**

What types of tissues might be used for DNA testing? \_\_\_\_\_

What does the acronym CODIS mean? \_\_\_\_\_

## **Skeletal Remains**

What 4 things can be determined from skeletal remains? \_\_\_\_\_

What type of scientist studies skeletal remains? \_\_\_\_\_

## **Body Fluids**

What type of clues could investigators get from body fluid samples? Give two examples.

\_\_\_\_\_

## **Hairs & Fibers**

How can hairs and fibers be used in an investigation? \_\_\_\_\_

\_\_\_\_\_

What must be present in a hair sample to test for DNA? \_\_\_\_\_