**POLICE FORENSICS**

**Fingerprinting Study Guide:**

* A fingerprint is an **­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_**characteristic; no two people have been found with the**\_\_\_\_\_\_** same fingerprint pattern.
* A fingerprint **\_\_\_\_\_\_\_** will remain **\_\_\_\_\_\_\_\_\_\_\_\_\_** for the **\_\_\_\_\_** of an individual; however, the print itself may change due to permanent scars and skin diseases.
* Fingerprints have general characteristic **\_\_\_\_\_\_** patterns that allow them to be systematically identified.
* There are 3 specific classes for all fingerprints based upon their visual pattern: **\_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_**
* The sub groups for each of these are:

**1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Ridgeology: The study of the uniqueness of friction **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** and their use for personal **\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* A fingerprint is made of a series of **\_\_\_\_\_\_\_** and **\_\_\_\_\_\_\_\_** on the surface of the finger. The uniqueness of a fingerprint can be determined by the **\_\_\_\_\_\_\_\_\_\_** of ridges and valleys as well as the **\_\_\_\_\_\_\_\_\_\_\_** points, which are points where the ridge structure changes.
* Three types of fingerprints found at a crime scene are:

1. Patent Prints: **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

1. Plastic Prints: **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
2. Latent Prints: **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

* Latent prints can be “lifted” off a surface by the following techniques:

1. **Carbon Powder**
2. **Silver Nitrate**
3. **Cyanoacrylate (Superglue) fuming**
4. **Ninhydrin**
5. **Iodine Fuming**

