Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Notes on Fingerprints

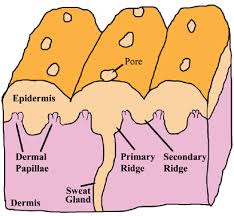
Fingerprints History and Analysis

* *“Every human being carries with him from his cradle to his grave, certain physical marks which do not change their character, and by which he can always be identified– and that without shade of doubt or question. These marks are his signature, his physiological autograph so to speak, and this autograph cannot be counterfeited, nor can he disguise it or hide it away, nor can it become illegible by the wear and mutations of time.”*

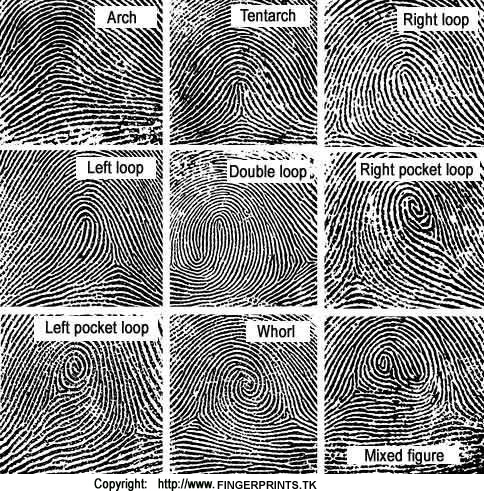
History of Fingerprints

* - Used in Babylon (1792-1750 B.C.) when fingerprints were pressed into \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* - Ink fingerprints used in Ancient China on all \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* 1684- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_wrote a paper describing the patterns he saw on human hands under the microscope including the presence of ridges.
* 1788- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ described that the arrangement of ridges never duplicated in two persons.
* 1823- Jan Evangelist Purkyn described 9 distinct fingerprint \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* 1856- Sir William Herschel began collection of fingerprints and noticed they were not \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* 1879- Alphonse Bertillon created system for identification of criminals (Bertillonage) and 1902 he was credited with solving the first murder using fingerprints.
* 1891- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_improved fingerprint collection by collecting all 10 prints.
* 1896- Sir Edmund Richard Henry created \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

What are Fingerprints?

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Types of Fingerprints



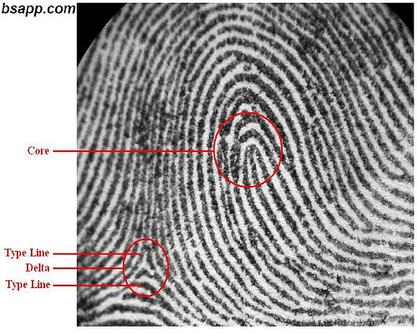
Percentages

Whorl-

Arches-

Loops-

Delta, Core, and Ridge Lines



Ridge Patterns are also called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How many individual ridge characteristics are there on the average fingerprint? \_\_\_\_\_\_\_\_\_\_\_\_\_

Types of Fingerprints

Patent Fingerprints:

Plastic Fingerprints:

Latent Fingerprints:

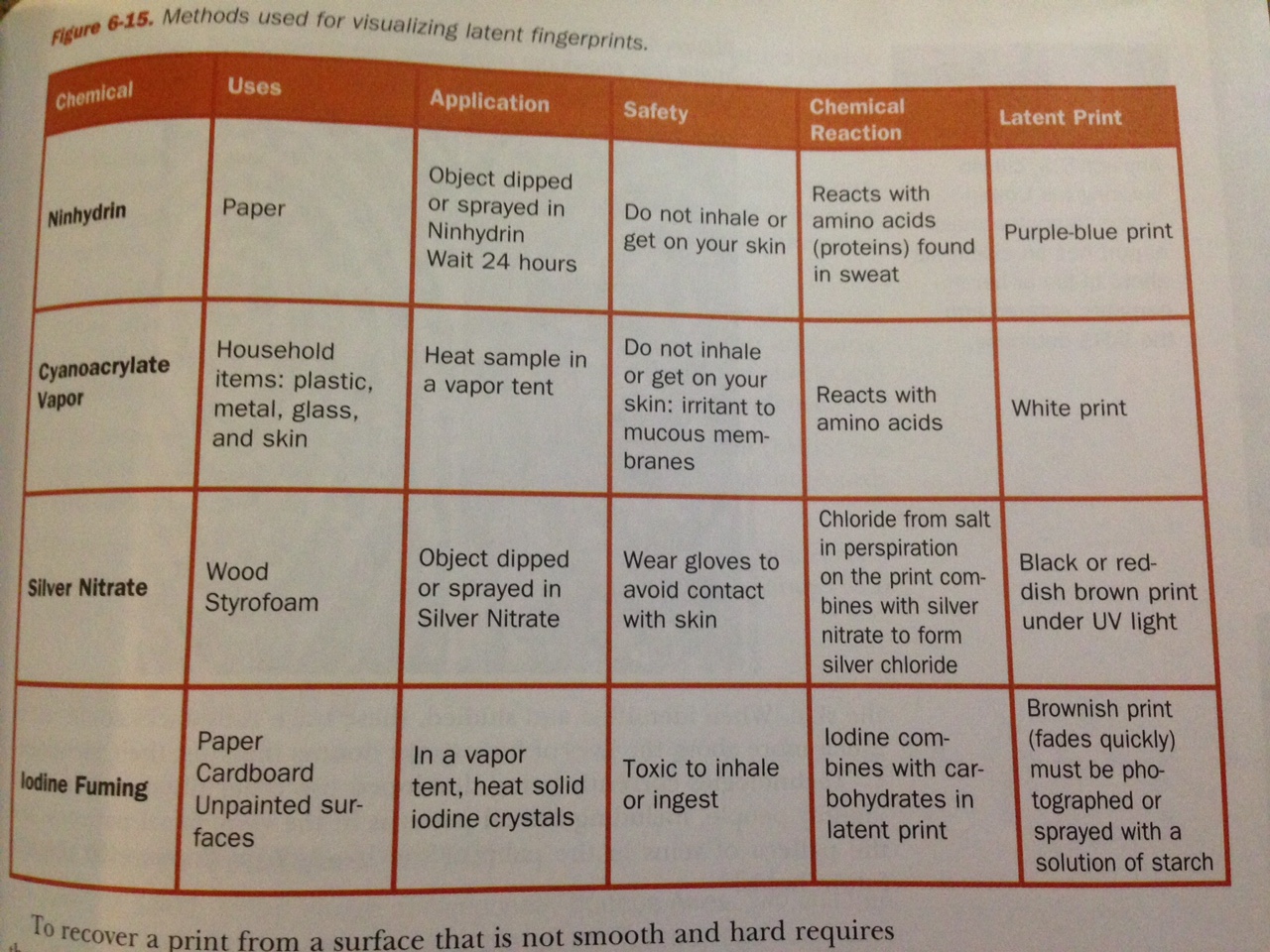
**Can fingerprints be altered or disguised?**

**How reliable are fingerprints?**

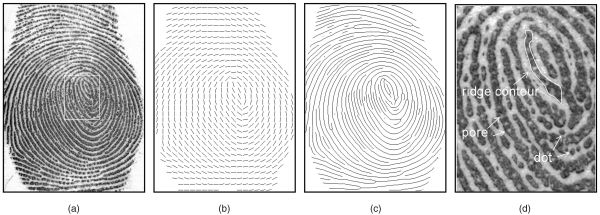
**How are fingerprints analyzed?**

**How are latent fingerprints collected?**

**Fingerprint Analysis Techniques**

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**The Future of Fingerprinting**

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