

# Fingerprints

Name: \_\_\_\_\_











## 1. Fingerprint Principles

According to criminal investigators, fingerprints follow 3 fundamental principles:

1. A fingerprint is an \_\_\_\_\_ characteristic; no two people have been found with the \_\_\_\_\_ same fingerprint pattern.
2. A fingerprint pattern will remain \_\_\_\_\_ for the \_\_\_\_\_ of an individual. However, the print itself may change due to permanent \_\_\_\_\_ and diseases.
3. Fingerprints have general characteristic \_\_\_\_\_ patterns that allow them to be systematically identified.

## 2. Fingerprint Classification

<p><b>Arches</b></p> <p>Ridges enter on one side &amp; exit on the other side.</p> <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <p>_____</p> <p>_____</p> </div> <p style="text-align: center;">Arch                      Arch</p>	<p><b>Whorls</b></p> <p>Consists of circles, more than one loop, or a mixture of pattern types</p> <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <p>_____</p> <p>_____</p> </div> <p style="text-align: center;">Whorl                      Whorl</p>
<p><b>Loops</b></p> <p>Ridges enter on one side &amp; exit on the same side</p> <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <p>L - _____ Loop</p> <p>L - _____ Loop</p> <p>R - _____ Loop</p> <p>R - _____ Loop</p> </div>	<div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <p>_____</p> <p>_____</p> </div> <p style="text-align: center;">Whorl                      Whorl</p>

### 3. Fingerprint Factoid

Give the % for each.

Loops = \_\_\_\_\_%

Whorls = \_\_\_\_\_%

Arches = \_\_\_\_\_%

### 4. Identify each fingerprint pattern shown on the class notes.

A. \_\_\_\_\_ B. \_\_\_\_\_

C. \_\_\_\_\_

D. \_\_\_\_\_ E. \_\_\_\_\_

5. My Prints - Follow your teacher's directions to document your fingerprints on the worksheet. Use your notes and a magnifying glass to identify the pattern in each one.