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**

<table>
<thead>
<tr>
<th>Arches</th>
<th>Whorls</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Arch" /></td>
<td><img src="image" alt="Whorl" /></td>
</tr>
<tr>
<td><img src="image" alt="Arch" /></td>
<td><img src="image" alt="Whorl" /></td>
</tr>
</tbody>
</table>

**Arches**
Ridges enter on one side & exit on the other side.

**Loops**
Ridges enter on one side & exit on the same side

L - ______ Loop | R - ______ Loop
---|---
L - ______ Loop | R - ______ Loop

**Whorls**
Consists of circles, more than one loop, or a mixture of pattern types

--- | ---
Whorl | Whorl
Whorl | Whorl

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.