

Activity 8 Comparing Fingerprints

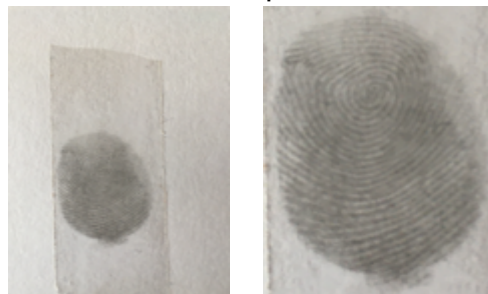
What do I need?

- (1) Complete Activity 7 Recording Fingerprints
- (2) A magnifying glass if you have one

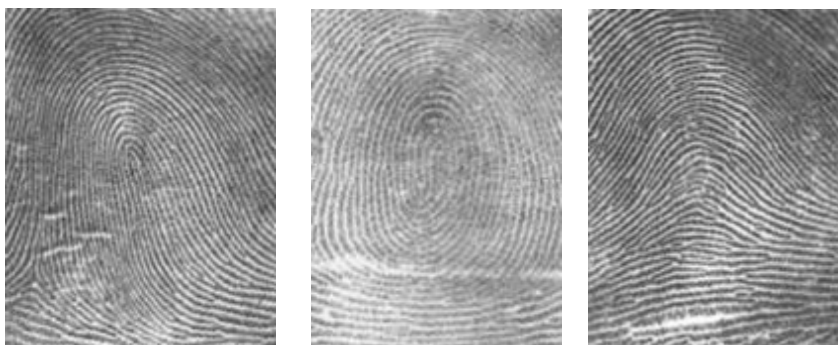
What do I do?

Step 1 – Look closely at your fingerprints, use the magnifying glass if you have one. You could also take a picture of your fingerprint using your phone and enlarge it to see the patterns more clearly.

Step 1



Step 2 – The most common fingerprint patterns are Loops (60-70%), Whorls (20-35%) and Arches (5-10%). Using the examples below identify the pattern in your fingerprint. Do you have or something else? You can see other fingerprint patterns here (<https://www.touchngoid.com/8-common-fingerprint-patterns/>)



Loop

Whorl

Arch

(Image adapted from the U.S. Dept of Commerce, Public Domain)

Step 3 – Now look at all of your other fingerprints and identify the patterns you can see.

Step 4 – If you can – record the fingerprints from other people in your family and compare them to yours. Can you see the differences?

To find out more about fingerprints look here
<https://www.ncjrs.gov/pdffiles1/nij/225320.pdf>