

NAME _____

GENETICS & FINGERPRINTS

BACKGROUND INFORMATION: Fingerprints are genetic. The whorl, or swirl pattern has the genotype LL. The arch pattern has the genotype ll. The loop pattern has the genotype Ll.

QUESTION: What are the fingerprint phenotypes and genotypes in your class?

MATERIALS:

Graphite pencil Tape

PROCEDURE

1. Using the side of your pencil, cover the square with a heavy coat of pencil "lead."



2. Roll your right thumb across the box.
3. Put a piece of tape, sticky side down, over your thumb and lift it up gently. You should see your fingerprint on the tape. Put the tape on the thumb of the hand in the observation section.
4. Repeat with all of your fingers on your right hand.

OBSERVATIONS:



