**Latent Fingerprints Lab**

**Procedure:**

**Part 1: Dusting/Lifting Fingerprints on non-porous surfaces**

1. Dip the brushes in the powder and lightly dust the textbook containing the print.

2. Distribute the powder evenly over the surface that contains the print.

3. Once a print is visible, remove the excess powder by blowing the dust from the surface or by gently brushing it away being careful not to inhale any of the dust between attempts and being careful not to destroy the print with too hard a brush stroke.

4. To lift the print from the textbook and transfer to the index card, use about 5" to 6" of tape and cover the whole print. Slide a thumb over the tape and smooth it down over the print to force out all air bubbles.

5. The print can be removed by pulling up on the roll end of the tape and then placing it on the fingerprint card in the same manner as the tape was placed over the latent print. Make sure the tape is secure.

6. Observe the print under the magnifying glass and compare it to the right thumb

prints on the MO's. Identify the owner of the print and record.

**Who left the print on the textbook? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Part 2: Using Superglue Fuming to develop fingerprints on glass/plastic**

Obtain a glass slide recovered from the crime scene. Place it in the super glue fuming chamber. When your teacher gives you the ok, observe the print under the magnifying glass and compare it to the right thumb prints on the MO's. Identify the owner of the print and record.

**Who left the print on the glass slide? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Part 3: Using Iodine crystals to develop fingerprints on paper**

Obtain a piece of paper recovered from the crime scene. Place it in the iodine fuming chamber. When your teacher gives you the ok, observe the print under the magnifying glass and compare it to the right thumb prints on the MO's. Identify the owner of the print and record.

**Who left the print on the paper? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Analysis:**

1. Was there more than one suspect present at the crime scene? If so how many?
2. Why does fingerprint dust come in multiple colors?

**Suspect MO’s**

**Suspect 1: Mr. Palermo Suspect 2: Ms. Drury**

**Suspect 3: Mr. DiGiacomo Suspect 4: Ms. Bloch**