

## ACTIVITY 6-5 *Ch. Obj. 6.2 and 6.3*

### IS IT A MATCH?



#### Objectives:

By the end of this activity, you will be able to:

1. Describe and identify different types of fingerprint minutiae.
2. Identify different minutiae patterns found in fingerprints.

**Time Required to Complete Activity:** 30 minutes

#### Introduction:

Latent fingerprints found at crime scenes are usually incomplete (partial) prints. Investigators need to examine the characteristics of a fingerprint very carefully. The simple identification of a whorl, loop, or arch is not sufficient. Other markers (minutiae) need to be identified.

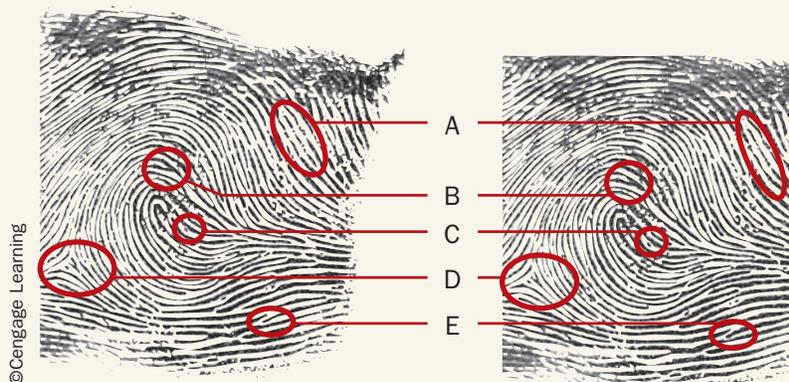
#### Materials:

examples of recovered latent fingerprints  
red pen

#### Procedure:

1. Study the picture below. It shows fingerprints obtained from a suspect and a crime scene (mirror). Notice how the investigator has labeled the points of comparison with the same letter on the rolled ink print and the latent print from mirror. Use the chart of characteristics in your text to identify the specific characteristics.

*Rolled ink print taken from suspect (left) and latent fingerprint lifted from the crime scene (right).*



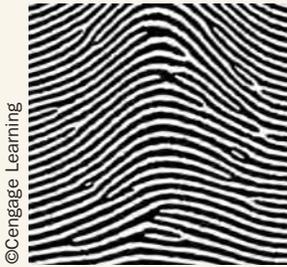


## Fingerprint Ridge Patterns

2. Identify each of the patterns labeled in the ridge pattern diagram. Refer to the chart on minutiae in the text.

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_
- E. \_\_\_\_\_

3. Examine each of the fingerprints below. Using a red pen and referring to the chart in your text, circle the minutiae pattern and then label it with the appropriate number.



Arthur

- 1. Bifurcation
- 2. Island ridge
- 3. Ending ridge



Doris

- 4. Eye
- 5. Spur or hook
- 6. Ridge ending



Alice

- 7. Double bifurcation
- 8. Island ridge



Suspect

What patterns can you find in this print?

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# ACTIVITY 6-6 *Ch. Obj. 6.3 and 6.9*

## FINGERPRINT MATCHING



### Objectives:

By the end of this activity, you will be able to:

1. Match the latent crime scene print to one of the suspect's fingerprints.
2. Justify your match by identifying the fingerprint pattern along with as many fingerprint minutiae found in both the crime scene print and the suspect's fingerprint.
3. Circle the common minutiae points on both the crime scene print and the suspect's fingerprint.

### Introduction:

Using a red pen, encircle and identify as many minutiae reference points shared by the crime scene fingerprint and the suspect's fingerprint.

**Time Required to Complete Activity:** 30 minutes

*Crime-scene print*



*Suspect A*



*Suspect B*



*Suspect C*



*Suspect D*



*Suspect E*



*Suspect F*



*Suspect G*



*Suspect H*



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