Name:

Date:

School:

Facilitator:

3.02 Impression Lab (50 Points)

**Use the Impressions Virtual Lab on the Task page to complete this activity.**

# Part 1: Pre-lab Reflection

**Respond to the following questions in complete sentences** (3 points each).

1. **Briefly describe the crime and the role of the investigator.**
2. How do shoe and track impressions help narrow the list of suspects of a crime?

# Part 2: The Process

**Respond to the following questions in complete sentences** (3 points each).

1. What is the purpose of hairspray? When is it used during the casting process?
2. Describe how the casting material is added into the impression.
3. How long should the cast be allowed to dry before removing it from the impression?

# Part 3: Analysis

**Record your observations of the suspects’ shoes in the table below.** (2 points each)

| **Cast** | **Which suspect, if any, is the best match?** | **Distinguishing Characteristics**  **Name at least 2** |
| --- | --- | --- |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |

**Respond to the following questions in complete sentences** (4 points for questions #6-9).

1. Which suspects do you think were present at the scene? Explain your reasoning.

|  |
| --- |
| *Write your response below:* |
|  |

1. Which details helped you the most in identifying the suspects for casts 2 and 3? Explain your answer.

|  |
| --- |
| *Write your response below:* |
|  |

1. Were you able to identify a suspect for cast 4? Why or why not?

|  |
| --- |
| *Write your response below:* |
|  |

1. What difficulties might a crime scene investigator face in casting prints at a crime scene?

|  |
| --- |
| *Write your response below:* |
|  |

1. What was most difficult about this lab? (3 points)

|  |
| --- |
| *Write your response below:* |
|  |