

Blood Spatter Labs

Name _____

Directions: Follow your teacher's instructions to conduct each lab. Record your observations and answer the related questions.

Lab 1: Complete the Single Drops lab and answer the questions.

What did you notice about the droplets (diameter and spines) as you increased the height of the drop?

Lab 2: Complete the Multiple Drops lab and answer the questions.

What did you notice about the droplets (diameter and spines) as you increased the height of the drop?

How do Newton's Laws of Motion apply to the blood spatter results from Lab 1 & 2?

Lab 3: Complete the Motion Droplets lab and answer the questions.

What did you notice about the droplets (diameter and spines as you increased your walking speed? Draw sketches of the droplets showing the size, shape, and/or distance between them at each speed along with your written observations.

SLOW

MEDIUM

FAST

Observations:

Lab 4: Complete the Angle of Impact lab to answer the question.

How does the angle of impact affect the size, shape, and other characteristics of blood droplets?