Blood Spatter Analysis NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Read “Carolina Blood Spatter Analysis Kit” Lab Pages 5 and 6. You may also want to watch the short youtube video to get an idea of what we will be doing in lab. https://www.youtube.com/watch?v=ntp9wGMYKBs

Make the following modifications to “Carolina Blood Spatter Analysis Kit” Lab

**Part 1:**

Step 4: Make a chart (either neatly with a ruler below or using excel or a table on Microsoft Word and attach to this sheet), with the following (degree) angles: 0, 45, 80 and record angle and height. Do step #5 and record data in chart.

Q #1: How does increased height affect impact patterns?

**Part 2: Have one member of your group cast off with a pipet (on to the paper on the wall) while the other members “step away” and not observe the action of the first group member. Continue through the lab with the following modification:**

Step #5: Make a chart (following page) for the 4 drops that you circled from step #4. Record width, length and angle of impact

Step #9: Measure the point of intersection and measure the distance from the wall and record in cm \_\_\_\_\_\_\_

Step #10 (new): All groups will leave the area (and not observe) while I cast off on the wall. Pick 4 drops, circle them, and determine the angle of impact of each (in mm), using sin-1 = width/length (\*do not use tails or satellites in your measurements). 1- Record the data on your paper in a chart. 2- determine the area of convergence and record how far away from the wall the cast off occurred.