FLINN SCIENTIFIC

Name_____

Bloodstain Worksheet

Part A. Free Fall Data

Height (cm)	Diameter of Drops (mm)						Other Observations
	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Average	
20							
40							
60							
80							
100							
120							
140							

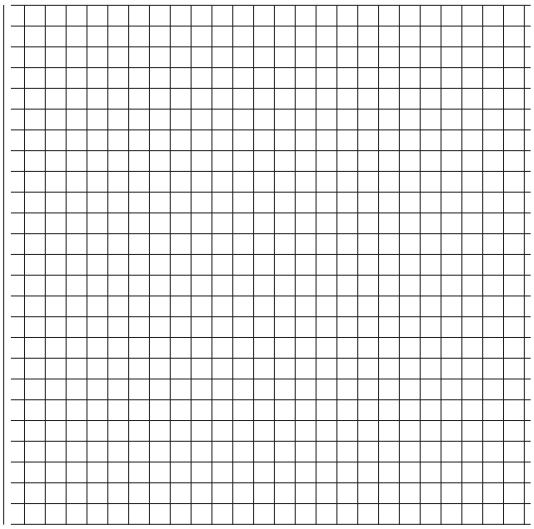
Post-Lab Questions

1. Describe the changes to the diameter of the spattered drops as the height was increased? Explain your answer in terms of speed and energy.

2. Describe any other patterns in the spattered drops in addition to the diameter changes that might help in identifying the height of an unknown drop.

Bloodstain Worksheet (Con't)

3. Graph your results plotting height vs. diameter on the grid below.



Part B. Angle of Impact Data

Trial	Angle	Droplet		Other Observations
		Length (mm)	Width (mm)	
Trial 1	75°			
Trial 2	75°			
Trial 3	75°			
Average	**75°**			
Trial 1	60°			
Trial 2	60°			
Trial 3	60°			
Average	**60°**			
Trial 1	45°			
Trial 2	45°			
Trial 3	45°			
Average	**45°**			
Trial 1	30°			
Trial 2	30°			
Trial 3	30°			
Average	**30°**			
Trial 1	15°			
Trial 2	15°			
Trial 3	15°			
Average	**15°**			