

Name____

Bloodstain Worksheet

Part A. Free Fall Data

Height		D	iameter of				
(cm)	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Average	Other Observations
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.

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Bloodstain Worksheet (Con't)

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



Part B. Angle of Impact Data

Trial	Angle	Dro	plet	Other Observations
Irial		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°			