Name:			Period	: #:
		<u>Marble Dro</u>	p	
So, we've busted the my force to kill a person. V			npire State buildin	g would create enough
Problem : What is the	effect of the heig	ht a marble is droppe	ed from on the size	e of the crater it makes?
penny? Explain	have the same di why or why not.	rag (air friction) if di	ropped from the E	mpire State Building as a
Hypothesis: If			then	
	bec	ause		
Materials: - bowls or pans - marbles - rulers/meter stic - paper/pencil - sand - scale Procedures: 1. Measure the mass	s of your marble or	n ą scąle. Mąss =	g.	
3. Fill a bowl or pan4. Drop the marble f (mm).5. Repeat for a total6. Change drop heig	with sand. from a height of 10 of 3 trials and reco tht to 20 cm and th g the marble from a	ord all data in data tabl hen 30 cm, recording	neter of the crater to e. data for 3 trials at ea	the nearest millimeter
D5 11-i d-4 ()		Diagraph at all	(C. 24-1) (in 11-11-)	
Drop Height (cm)	Trial 1	Trial 2	Crater (in mm) Trial 3	Average Diameter
10				.5
20				
30				
Standing (cm from sand)				

Graph:

***Construct and design a bar graph on a piece of graph paper. Staple the graph to this paper. The graph should include;

- Title (with IV and DV)
- Axis labels with units (if applicable)
- Clustered bars for Trial 1, 2, 3, and the average for each height.

Analysis: (3 sentences about your graph) 1
2
3
Conclusion: (must include all parts of a quality conclusion)