I C	Name:		01 _ 02
	Date of lab:	Due date:	□ 03 □ 04
NC1D Lab	Design: Factors Affecti	ng How Craters Are Form	ed
crater by hitting a		ertain factors can affect how an orking in groups of 3 students. Each one factor on craters.	
aterials			
newspaper shallow, rec sand	tangular pan	<ul><li>differently-sized marbles</li><li>rulers and measuring tap</li></ul>	
ainstorm:			
Possible Independent Variables (What might affect how craters are formed?)		Possible Dependent Va (What are different ways measure a crater	s you can
	,		

<b>Question:</b> What is the effect of		on the		?
	oose 1 independent variable		choose 1 dependent variable	_
Hypothesis/Prediction:				
An increase of		will cause		
your choser	ı independent variable			
(an)	onvour chosen de	pendent variable	·	

Chosen Independent Variable	Chosen Dependent Variable	All Controlled Variables

Procedure Show your procedure in the space below. Make sure you account for all the control variables. Remember that you need at least 3 trials at 5 data points. Label any diagrams and BE SPECIFIC!	Materials list List all the materials that your procedure requires.
	Sources of Error What are two possible sources of error in this lab, and how will you reduce it?
	Safety Procedures: List all the safety hazards that may be relevant in this lab.

Table									
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Conclusion									
Answer the question. Does your data support or refute your hypothesis?									

**Data:** (including qualitative and quantitative observations)

## Error

In science, *error* refers to uncertainty in measurements and observations. What are two sources of error in this lab? How could you make the lab better? (Note: making a mistake is <u>not</u> a source of error.)