Name:	Date:
Acceleration of a Falling Object Lab	
Objective:	
Introduction: The motion of a falling object will be investigated in this ex from rest and time and displacement will be measured. The final velocity using a kinematic equation:	•
A velocity vs. time graph will be constructed. The slope of this graph will of the object.	be equal to the
Materials: List the materials you used to collect data here. (Do not include	de pencil, calculator, iPad, etc.)
Diagram of experimental setup: Draw a picture of your setup here. Label	l each part of it.
Procedure:	

Data:					
			,		
Analysi	S:				
Question					
		of how you found the final veloc	city for the time 0.3 seconds. Sh	ow All Work.	
2		1 . 5 . 4 . 1 . 1 . 1	N 1		
2. Sketch the shape of the graph you made in DataAnalysis below. No numbers.					
3.	3. What was the slope of the line according to DataAnalysis?				
4.	4. What is the acceleration of your falling object?				
5	% error = experimental value	– accented value * 100%			
3.	5. % error = experimental value – accepted value * 100%				
	accepted val	ue			
Conclusion : Always restate the objective and address it. Provide support from your data. Provide at least 2					
sources of error. (Sources of error do not include "rounding error", "calculated wrong", "measured wrong", or other things that are mistakes on your part. They are things that cannot be helped due to the equipment you used or the					
procedur					