Name:	Earth and Space Science		
	Classwork 1.4-1.5		
	Investigation of the Freding Statue		

Phenomena

The image in the CER is of a statue sculpted in 1908, while the image on the right was of the same statue in 1969. This statue was sculpted out of limestone, a rock that contains a large amount of the mineral calcium carbonate (CaCO3). This statue was also erected in a heavily populated city known to be affected by acid rain.

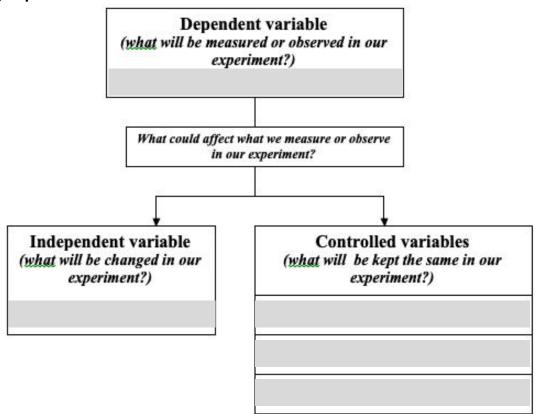


Question: (What are we trying to find out?)

How does increasing levels of acid affect the rate at which a statue will erode?

PART 1 PLANNING THE INVESTIGATION

Determining experimental values:



_	tion (What do we think will happen and why? Theindependent variable will cause the ent variable to)				
	oment do we need? How will we set it up? (Labeled drawings of the equipment and e will need) HINT: See board for available materials.				
Procedure	(What will we do? How will we keep safe? Our list of the steps in our experiment):				
Step#	Detailed description of step.				
	PART 2 CONDUCTING THE INVESTIGATION				
_	our results (What is the best way to record our results? Are our results the same as, or m, the results of other teams?)				
Resu	·				
Are o	our results the same as or similar to the results of other teams?				
Explaining	our results (What happened to <dependent variable="">when we changed</dependent>				
•	ent variable>? Why did this happen?)				
vvna	t happened to(dependent variable)when we changed (independent variable)?				

Conclusion (What is our answer to our investigation?)					
Reflection (How well do I think we did the investigation? Could we improve the way we did the investigation? What questions do I have which could be investigated in future?)					
How well do I think I did the investigation?					
I think we could improve the way we did the investigation by					
What questions do I have which could be investigated in future?					

ASSESSMENT RUBRIC (Teacher Use Only)

Practice 3Planning and Carrying Out Investigations

	Description of Skill	Meets	No	Comments
A	States a testable hypothesis			
В	Design an experiment with a control and variable			
С	Safely conducts the investigation			
D	Identify the independent and dependent variables within the investigation.			