Names:

## **Surface Area Physical Weathering Lab**





**Materials**: You will need three Alka-Seltzers, access to a scale in milligrams, a pop watch. **Directions**: At your table groups, write down a hypothesis for the following runction. Design an experiment to test your hypothesis and fill out lab sheet. The Alka-Seltzer will be representing rock.

## Will rock weather faster or slower if it has a greater purface area exposed?

Hypothesis:		
Step by Step Procedure: (C	Fircle the control, Underline to veriables)	
Observations:	5	
Conclusion:		
	nip between surface area and weathering rate? al and chemical weathering were involved in this lab.	

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## **Teacher Insights, Reflection, and Procedures**

- This is a straightforward lab that should demonstrate to students how surface area exposes more of the rock to the elements of weather and therefore can weather quicker.
- Students will already know what physical weathering is and a little bit of understanding as to what chemical weathering is.
- When the lab is complete we discuss their findings and their experimental design.