

Name: _____

Weathering Rates

1. Fill two small containers about half way with water.
2. Add one sugar cube to one container and the crushed sugar cube to the other container.
3. Stir both containers at the same rate and use two stopwatches to record how long each sugar cube takes to dissolve.

What is your independent variable?

What is your dependent variable?

Are there any constants? List them.

Hypothesis: Which do you think will dissolve faster? The sugar cube or the loose sugar? Why?

Seconds taken for whole Sugar cube to dissolve	Seconds taken for crushed sugar cube to dissolve

4. Did the sugar cubes dissolve at the same rate in both containers? Explain.

5. Which do you think would wear away faster: one large rock or several small rocks? Why?