

## Science Project, Wk. 17 -- Shake-Up (#137)

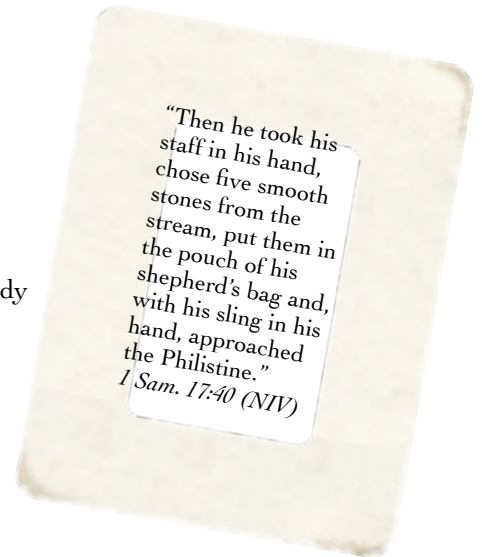
Name: \_\_\_\_\_

**P**urpose: To determine the effect of motion on weathering.

**M**aterials: measuring cup (250 ml), tap water,  
2 equal-sized jars with lids, 2 equal-sized pieces of colored hard candy

**P**rocedure:

- Pour 1 cup (250 ml) of water into each jar.
- Add 1 piece of candy to each jar and close the jar with a lid.
- Place one jar where it will not be disturbed.
- Shake the second jar often, until the candy **dissolves** (breaks apart).



**H**ypothesis (CIRCLE):      The candy will dissolve more rapidly in the jar which has been

SHAKEN

LEFT ALONE

**R**esult (CIRCLE):      The candy dissolved more rapidly in the jar which was

SHAKEN

LEFT ALONE

Sketch:

**C**onclusion:

Both candy pieces are **soluble** in the water. Vigorous movement causes the water to rub against the candy, knocking off small pieces that **dissolve**.

Follow-up question: Which would dissolve more rapidly, a hard clump of mud thrown into a fast-moving stream or a pond? How do the results of our experiment support your hypothesis?