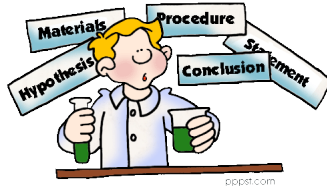


Name _____



Science Experiment: Shake-Up (#137)
Cycle 1, Week 17

Purpose: To determine the effect of _____ on weathering.

Hypothesis: _____

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

Procedure:

- 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.
- Choose a place for the second jar that allows you to shake the jar often until the candy dissolves.

Draw/Write **Observations** in the box.

Results:

_____ the jar dissolves more of the candy.

Why:

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

Similarly, a mud ball in a fast-moving stream would dissolve quickly because it would have pieces knocked off by the moving water. Hard mud balls in a pond would dissolve slowly, as did the candy in the undisturbed jar.