

### **Water and Rocks 1**

1. Fill a large, clear, plastic container with a lid about halfway with equal amounts of sand, soil, small gravel.
2. Fill the jar with water and tighten the lid.
3. Shake the jar for 1 minute.
4. Set the jar on a shelf or table.
5. Observe the jar after 20 minutes.
6. Draw what you see, label the particles.
7. Analyze your findings.

### **Water and Rocks 2**

1. Gather 1 cup of rocks. Place  $\frac{1}{2}$  cup of rocks into a plastic bottle with a lid.
2. Place the other  $\frac{1}{2}$  cup of rocks onto a paper plate.
3. Fill the bottle halfway with water.
4. Close the lid and shake the bottle for 10 minutes.
5. Pour the water out of the jar and into another container through a coffee filter so that all the debris is caught.
6. Compare the rocks in the coffee filter to those that you placed on the paper plate.
7. Compare and contrast the two piles of rocks.
8. Examine the water. Is it still clear?

### **CER (Claim, Evidence, Reasoning)**

1. Make a claim about how water causes changes in rocks.
2. Support your claim with evidence.
3. Build an argument for your claim through reasoning.