

## Experiment 1

Before we begin the first experiment look at the materials inside of your jar. Draw what you observe below.

What do you think these things (sugar cubes & gravel) represent?

What happened to the materials inside of your jar after they were mixed? Draw what you observe below.

What are the consequences of this process occurring in nature?

## Experiment 2

In the second experiment you will create a model that resembles a beach and simulate erosion by creating waves and wind.

**\*Be sure not you over-fill your container and to avoid spilling water in the lab!**

Before you begin your experiment predict what will happen to the beach once you create waves. Predict what will happen when you create wind. Write your answer below.

Was your prediction correct? What happened once you created waves? What happened when you blew through the straw on the sand?

Create a plan that will help stop or slow down the process of beach and wind erosion, once you have created your plan use the materials provided to model your plan. Was your plan effective? Why? Or Why not? Record your results and prepare to present to the class.