



## ACTIVITY 2

### ACTIVITY OVERVIEW

### The Workings of the Bay

#### Activity Description

Students will make a model of a watershed to demonstrate how small streams join to become rivers and then flow into the Bay and observe how pollution introduced into the watershed ends up in the Bay. They will conduct an experiment to investigate how an estuary works.

#### Materials

##### Make a Model of a Watershed

- Student record sheet
- A large (12 x 18 inch) baking pan or plastic tray
- A sheet of aluminum foil the length of the pan
- Blocks, rocks, or other objects to represent mountains
- A sprinkling can or other way to make it “rain” such as a paper cup or large can with holes in the bottom
- Water
- Food coloring (represents toxic waste or motor oil dumped in a storm drain)
- Small pieces of trash

##### Experiment: What is an Estuary?

- Large clear container (gallon size)
- Container for mixing salt water (liter size)
- Clear plastic tubing
- 10 drops of food coloring
- 1/2 cup salt

#### Teacher Background

See the Student Reading on page 4. These activities are courtesy of the National Aquarium. For more information, visit [www.aqua.org](http://www.aqua.org).