

- a. Description: My project is to test the ability of water to leach out pollutants as it percolates through soil.
- b. Objectives/Goals: These tests will be used to show how water can dissolve solutes out of soil resulting in their presence in ground or surface water. They will also be used to demonstrate how the presence of ions can be tested.
- c. Implementation: My Applied Chemistry class uses *Chemistry in the Community*, which is a curriculum divided into problem based units. The first unit deals with solutions and chemical testing in the context of a fictional fish kill at a town along a river. The underlying goal of the unit is to identify what caused the kill and the source of that cause. This activity will allow students to see how pollutants that get into the soil can work their way into the water supply.
- d. Evaluation: Student lab reports will be assessed based on their procedures, their valid interpretation of the data, and a demonstrated understanding of the processes of leaching and ion testing.