

Edible Aquifers



3rd-8th Grade

Activity Fact Sheet

Objective

To learn about aquifers, a process of pumping groundwater to the surface by wells to provide us with a clean water supply, and the impact of pollutants on groundwater through the means of hands-on experimentation.

Overview

Students will learn about aquifers, groundwater, and pollutants. The students will create an edible model of an aquifer which will include groundwater (clear soda), sand and gravel (cookie crumbs), rocks (gummy bears), and clay (ice cream), and simulate how “pollutants” (sprinkles) enter an aquifer. Then, using a straw, students will “drill” a well in the middle of their aquifer to simulate how water is pumped from the aquifer. A discussion on pollution sources will be included.

Additional Requirement

Students must turn in an “Edible Aquifers” consent form to participate in this activity.

Length of Time

20-30 minutes

