



# Cauldron Bubbles

## Introduction

Watch slimy bubbles sink and float while exploring density. This activity creates a dramatic visual display from simple household ingredients. It provides a practical introduction to the scientific method by asking students to formulate a hypothesis based on their observations.

In this activity, students learn about the concept of density through the study of oil-water mixtures. Students will learn that oil floats on the surface of water because the density of oil is lower than the density of water. They will also discover that the density of oil can be changed by adding salt. Students can cause the oil and salt droplets to sink and rise repeatedly, until the water becomes saturated with salt.