



Buoyancy

Introduction

This activity demonstrates the different forces that make up Archimedes' principle using test tubes, balloons and soft drink cans.

There are three stations in this activity. In *Find the Hidden Message*, students will be introduced to the classic Cartesian diver experiment with a simple pop bottle and test tube set-up. In *Conservation of Mass*, students will explore different forces and unexpected results using balloons. In *Pop Floats*, students will test different kinds of soda to see if they sink or float.

Buoyancy is very hands-on and counter-intuitive, giving visual and easily comprehensible examples of confusing physics concepts.