



UNITED SCIENTIFIC SUPPLIES, INC.
OPERATING INSTRUCTIONS AND ACTIVITY GUIDE

LARGE ARCHIMEDES' PRINCIPLE APPARATUS
BCL002

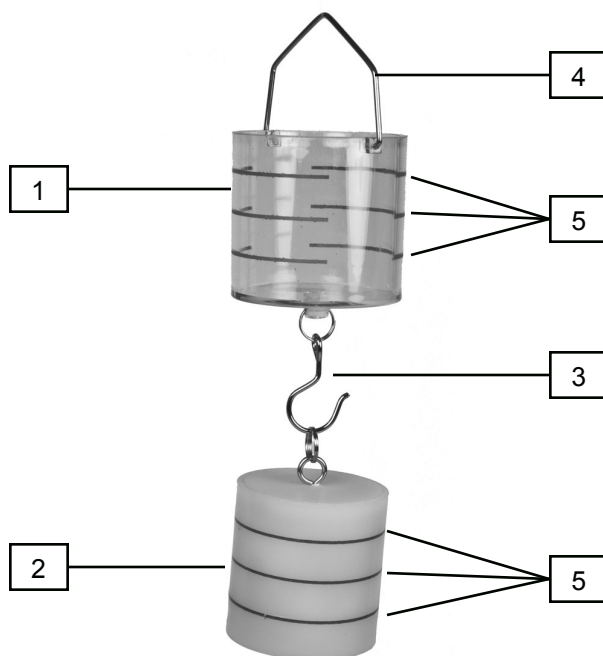


Figure 1

DESCRIPTION

The Large Archimedes' Principle Apparatus allows students to experimentally verify that the upward force experienced by a body when it is immersed in a liquid is equal to the weight of liquid the body displaces. It can also be used to determine the specific gravity of an unknown liquid.

The apparatus consists of a transparent container (1, *Figure 1*) and a sinker (2) that fits inside the container exactly. A hook (3) allows the sinker to be suspended underneath the container, and a second hook (4) permits the entire apparatus to be hung from the hook of a spring balance. Lines (5) marked on the container and the sinker indicate one fourth, half, and three-fourths of the volumes of these bodies.



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