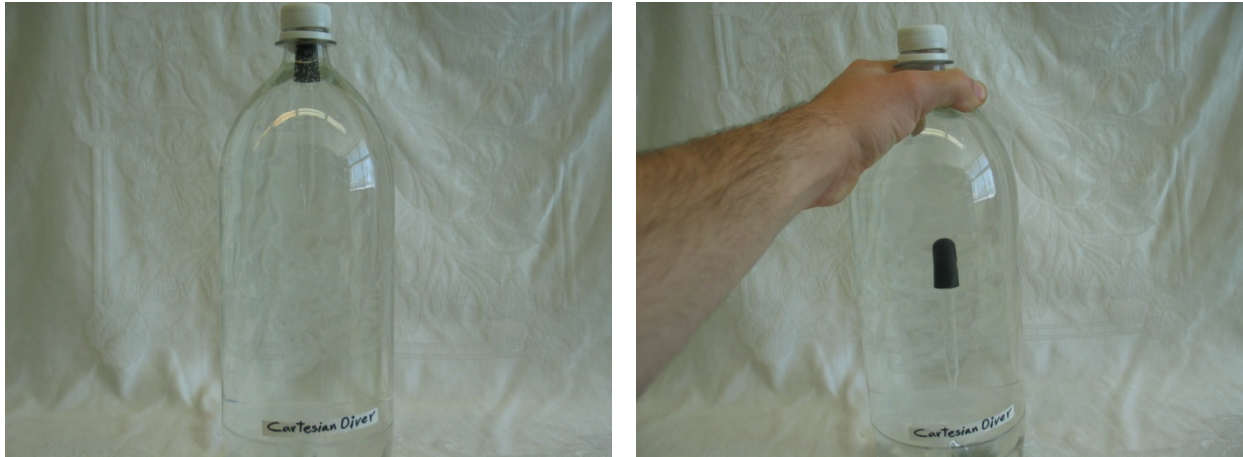


Cartesian Divers



Purpose: To demonstrate that the average density of an object that displaces a certain volume of water determines whether it floats or sinks

Location: room 136, shelf O4

Squeezing the bottle will cause unseen air in the dropper bulb to compress, increasing the average density of the stopper. The dropper should sink if the right amount of air is in the bulb. When you release the pressure it should float back up. (If this doesn't happen, the dropper needs to be removed and either take on more air or more water.)

Wait a minute! Who's that other little devil in the bottle?