





- To better understand the property of density and the force of buoyancy, considering the density of H<sub>2</sub>O = 1:
- Predict and calculate the density (buoyancy in water) of various substances, chart data and demonstrate density by layering.
- Design (using dry calculations as evidence), build and demonstrate, an object that uses air to reduce overall density, carries cargo and is buoyant (floats) in water.