

Samuel Evans

Lap for 9/18/23

-Filled the meter with 50ml

Mass of PVC-11.0g

Volume of cylinder-50.0ml

New Volume-58.0ml

Mass of PVC divided by the new volume=1.4

Conclusion:

The units of density are determined by the units used for mass and volume and then dividing those units with their respective quantities. These are derived units renowned by computation.

Density is a physical trait that determines if an object will sink or float in a liquid if the object density is greater than the liquid density, it floats. The cylinder had a greater density than the H₂O and therefore it sank.

Mass- measures how much matter exists in an object

Density- measurement of how tightly matter is pressed together

Buoyancy- the tendency of an object to float in water

Physical Property- characteristic of a substance that can be observed and measured without changing the identity of that object.