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Sep. 19, 2023
Chemistry

Reserch question-how are the density units found? How is density applied in the real world?

Introduction- density is the ratio of a substances mass and volume. P=mass/volume

Procedure- we first measure the mass in grams of the PVC sample using a scale, then we filled the cylinder up with 50 millileters of water, and then put the sample into the cylinder. after that we measured the volumes to acquire the sample's. we then divided the samples mass by its volume to get the density. then we all announced our answers and a comparison was made.

data/observations: - the mass of the PVC was 5.30g - the volume of water in the cylinder was 50 ml - the new volume of the water in the cylinder was 53.5g

Conclusion: the unit of density are determined by the units used for mass and volume, then dividing units with their units Quantities. these are derived units renowned by computation. density is a trait that determines if an object will sink or float. if the object's density is greater than the liquids it sinks, but if the object's density is less than the liquids it floats. the PVC had a greater density so, it sank to the bottom