

14.2: Introduction

Mass is the amount of material contained in an object, while volume is the amount of space occupied by an object. Different amounts of mass may take up the same amount of space. Density has a dependency on both mass and volume. An object with a relatively high density will have a relatively large amount of mass contained in a particular volume. Density is often described as a measure of how compact a material is.

$$D = \frac{m}{v}$$

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