

Vocabulary: Density via Comparison



Vocabulary

- Density – the amount of matter in a certain space.
 - Density is often measured in grams per cubic centimeter (g/cc or g/cm³).
- Mass – the amount of matter in an object.
 - In the metric system, the basic units of mass are the gram (g) and kilogram (kg). A paper clip has a mass of about one gram.
 - Mass is similar to weight but is not exactly the same. Your weight depends on the gravity of the planet you are on. If you went to the Moon, your *mass* (amount of matter that makes you up) would be the same, but your *weight* would be much less than on Earth because the Moon has less gravity than Earth.
- Volume – the amount of space an object occupies or takes up.
 - In the metric system, the basic units of volume are the milliliter (mL), cubic centimeter (cm³ or cc), and liter (L).
 - Milliliters and cubic centimeters are equivalent units of volume.