## Substance

Matter which has specific properties. Iron and water are substances.

Physical State


The classification of matter as a solid, liquid, or a gas

## Data

Information collected from
observations used to help form conclusions.


Centimeter


## Buoyancy

Buoyancy is a force that causes floating. It is the ability of a liquid or gas to cause less dense objects to float or rise to the surface.


Objects that are more dense sink in water; less dense objects float

## in water.

## Density

Density is the amount of mass in an object.
(Density will not change even if the force of gravity changes)

A millimeter is a unit of measuremen $t$ that is equal to one-tenth of a centimeter.


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| :---: | :---: |
| Physical State <br> The classification of matter as a solid, liquid, or a gas | Relative Density <br> Objects that are more dense sink in water; less dense objects float in water. |
| Data <br> Information collected from observations used to help form conclusions. | Density <br> Density is the amount of mass in an object. <br> (Density will not change even if the force of gravity changes) |
| Centimeter <br> A centimeter is a unit of measurement that is equal to one-hundredth of a meter. | Millimeter <br> A millimeter is a unit of measuremen $t$ that is equal to one-tenth of a centimeter. |
| Mass <br> A measure of the amount of matter in an object | Classify <br> To sort things into groups by similarity. |

