

Brain POP - Properties of Matter

Mass, Density and Volume

Fill in each line with mass, density, volume or weight.

_____ most directly affects mass.

_____ measured in cubic cm

_____ the amount of space an object takes up

_____ is found by D/V

_____ would not exist without gravity

_____ is found by $L \times W \times H$

_____ amount of matter in an object

_____ is not constant

_____ when you put an object into the water and it sinks it has more than water

_____ how tightly atoms are packed together

_____ force of gravity on an object

Fill in the Blanks.

_____ contain the densest material in the universe.

Most scientists believe that all _____ in the universe was made by the _____.

To measure the volume of an irregular object you _____ the liquid.

Most of the world uses the _____ system for measurement.

If the moon were twice as large as the Earth, the gravitational force between the earth and the moon would be _____ as much.

_____ can be converted into energy.