

atoms

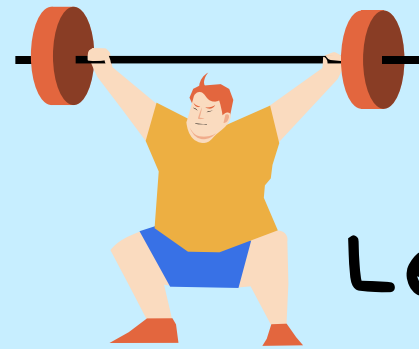
matter

Weight



Join me on the discovery of atoms, mass and weight.
Let us discover how this impacts on our lives on Earth
and why it is important.

CO₂



Let us find out about gravity.

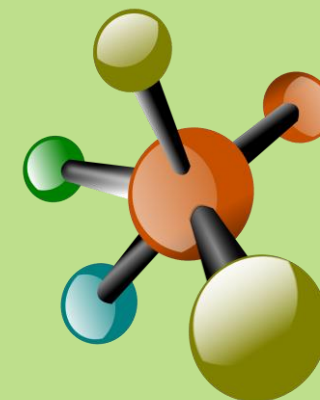
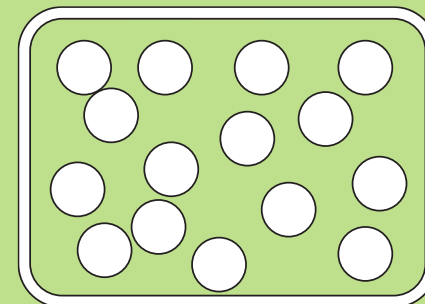
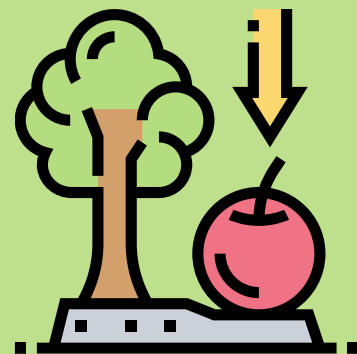
Let us understand the difference between weight and mass.

Let us learn about units, that kg represents kilogram.

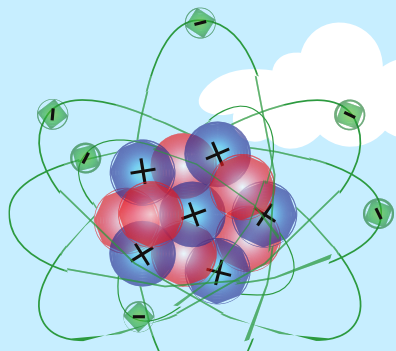
And that kg/m.s^2 represents kilogram per metre second squared.

Or that m/s^2 is metre per second squared.

enjoy this first article in this series of atoms, weight, matter



atoms



A human being, weighing 70 kg, is made up of 7 billion billion billion atoms

We cannot see each atom because they are super super SUPER tiny

All living things (humans, animals, plants) and non-living things (water, gas) are called matter because they have mass

An atom is the smallest part of matter



matter

Matter has MASS

Mass is the total of all the atoms

in an object, human, plant

There are 3 states of matter: SOLIDS, LIQUIDS and GAS

The unit for mass is kg



Weight

Weight is the combination of mass and gravity on Earth
To determine the weight of an object you need to multiply the mass of the object by Earth's gravity which is 9.8m/s^2

On another planet, your weight will be different since planets have different gravities

The unit for mass is kg/m.s^2

