

LAW OF GRAVITY BY SIR ISSACK NEWTON  
AND THE QURAN

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Gravity (G)

It was on the 4th January, 1642, that Sir Issack Newton was born in Woolstrophe, England. At birth he was so small as to be accomodated in a small ~~maxtaxaxaxaxaxaxaxaxax~~ litre size bottle. Three months before his birth, his father died and two years after birth, his mother married another husband hence he was put under the care of his grandmother. The political situation then compelled them to live in seclusion, and in that lonely child life, deep thinking on natural behaviour of things became a favourite habit of Newton.

He completed his primary education in face of many hardships and at the age of 18 years, he entered the University of Cambridge. After four years this University had to be closed following an outbreak of plague. He was obliged to go and stay at an apple farm in Lancashire where his mind again became engrossed in deep thinking and research.

One day whilst as usual sitting in the garden and occupied in deep meditation on the secrets of nature and creation of universe, the sudden falling of an apple from a tree attracted his deep attention and made him wonder as to why the apple came down the earth and not go up the sky.

Thousands of human beings might have experienced in their life the falling of a fruit from tree but who has cared to ponder over this question. He posed a question to himself as to what made the apple fall down and then he himself replied " Earth has pulled down the apple to itself".

WHAT IS GRAVITY According to Encyclopedia of Science, the force causing bodies to tend to move towards the centre of earth and same force acting between all bodies in the universe. The law of gravity is that all bodies in space pull on all other bodies.

IMPACT OF EARTH GRAVITY The force of gravity has great influence on things without which this world would not have been functioning in so consistently organized manner. Gravity is the only power created which controls and regulates the movement of millions of stars. The movement of earth around the sun, the movement of moon around the earth, the falling of apple on the earth, the descending of aircrafts down to land on earth, all these are caused by earth gravity. The rainfall on earth is also a result of this force and had it not been for this, many things on this earth would have moved up to float in the air.

NEWTON'S SEARCH ON GRAVITY Newton having declared his theory on earth gravity, went in search to find out whether moon is also subject to this law of gravity? Whether earth is attracting the moon towards itself? Whether the cause of rotating of the moon round the earth is the same force of gravity?

Newton knew the size of earth and the moon and the distance between the two also the speed of their rotation. He also knew the speed of fall of bodies on earth. After his prolonged calculations, he finally arrived at the answers to the questions pertaining to this subject.

Newton published his findings on force of gravity in general in the form of Science of Physics but he had to spend twenty years of his precious life in search of mathematical calculations and formula on this subject and finally in the year 1687 he published a book The Principles of Mathematics on the Philosophy of Physics.

Since then Force of Gravity became acknowledged as a law of Nature throughout the world, and through this law many other intricate questions of this universe were explored and revealed.

#### EFFECT OF GRAVITY OF

HEAVENLY BODIES ON EARTH One should not think as to how it is that we do not witness on this earth the effects of gravity of the sun and the moon. The natural appearance of this force is what we see in the form of high and low tide in the sea. The movement of millions of gallons of water is caused by this force of gravity. This is not restricted to the moon and the sun but all the other heavenly bodies caused more or less some effect on this earth. Even Neptune which is four billion kilometers far from the earth has a gravity force of 18 million tons on this earth.

The world of Science is much indebted to the efforts made by Newton in discovering and declaring the law of force of gravity, without which man would not have been able today to travel through space and land on the moon. His theory became the source of discovery of many other secrets of Nature.

QURAN AND EARTH GRAVITY

But a thousand years before Newton declared to the world his findings on this subject of gravity, it was the holy Quran which for the first time presented to the world the law of earth gravity.

It should be appreciated that the Quran did not come as a book of Physics or any other science except that it has for some noble aims touched on the secrets of nature. Hence the Quran is considered to be a great miracle in the course of deep scientific knowledge. One of the verses of the Quran clearly explains the force of gravity of earth by saying "

" Have we not made the earth a receptacle (that which received- that which pulls anything into itself)