

# Does the Earth Move?

## Solar System



## Movement of the Earth.

The Earth makes 1 rotation on its own axis in a day  
 The Earth orbits the sun - this takes 365 days/ 1 year

### Rotation to turn



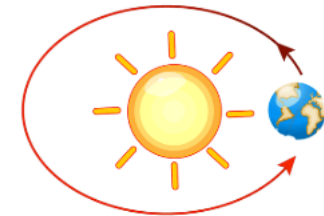
Takes:  
24 hours or 1 day

Day



Day Night

### Revolution go around



Takes:  
365 days or 1 year

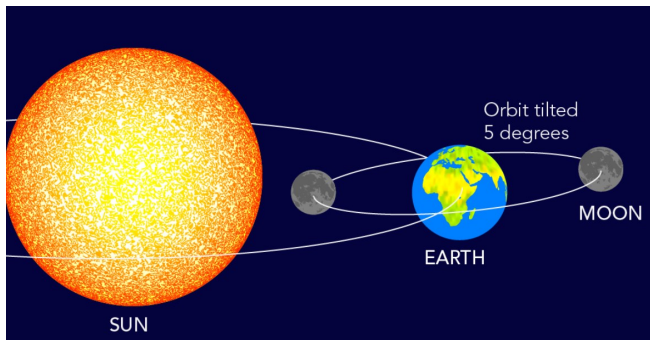
Seasons



Spring Summer Fall Winter

## Movement of the Moon

The Moon orbits the sun so it looks different shapes in the sky depending on where it is.



New Moon

Waxing Crescent

First Quarter

Waxing Gibbous

Full Moon

Waning Gibbous

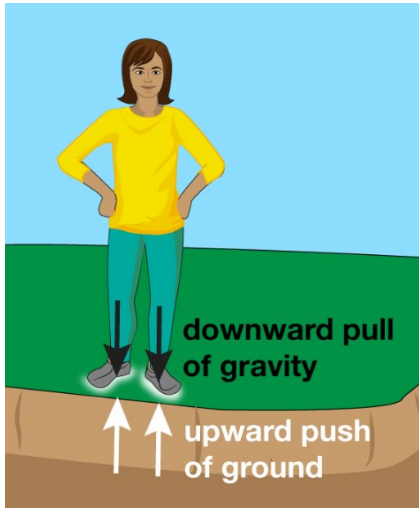
Third Quarter

Waning Crescent

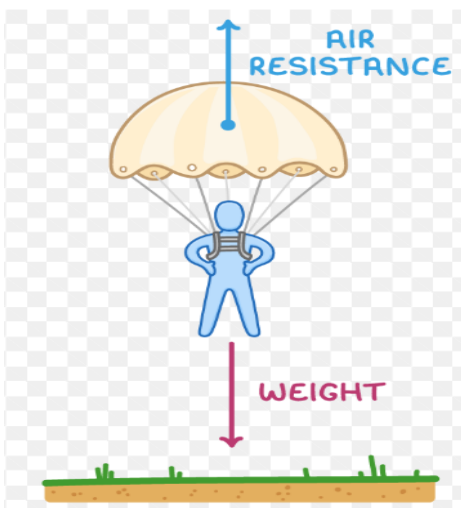
New Moon



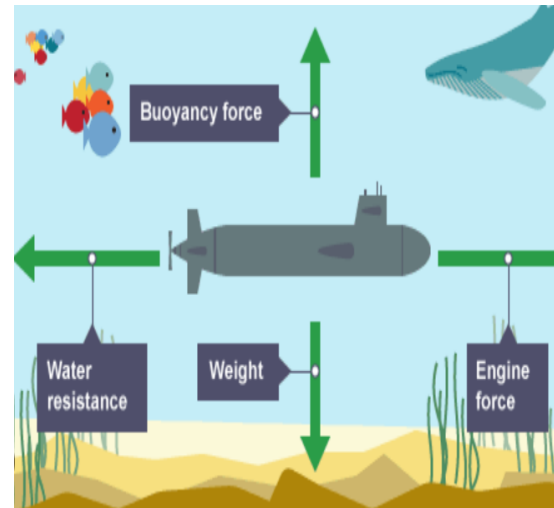
### Gravity



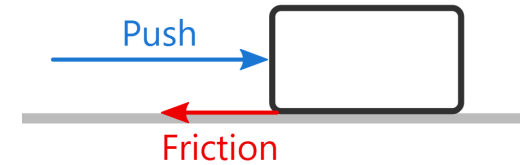
### Air Resistance



### Water Resistance



### Friction



Isaac Newton was one of the great figures in the history of science. His ideas about motion and gravity are very important to the science of physics.


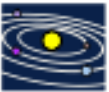




Isaac Newton was born in 1642.

Newton wanted to know why the moon stayed in orbit and explained it using the pull of the Earth –gravity.



Galileo has been called the founder of modern science. He was one of the first people to examine the heavens with a telescope. He also made breakthrough discoveries in the study of motion.

Galileo was born in 1564.

 orbit	 solar system
 planet	 rotation
 spherical	 gravity