





Tier Three Vocabulary

attract - to pull towards

contact - when objects touch

distance - the length between two objects

force - a push or pull that acts upon an object that can cause it to move, change shape or change direction

friction - the force that acts upon one surface when it moves against another

gravity - a pull force that acts at a distance

pull - to move something towards

push - to move something away

repel - to push away

balanced forces - equal forces that cause an object to remain stationary or travel at the same continuous speed.

weight - the downward force caused by gravity on an object (measured in Newtons (N)).

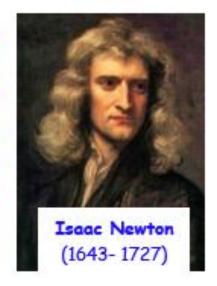
mass - how much matter there is in an object (measured in g or kg) mechanism - a system of parts working together in a machine pulley - a wheel that carries a flexible rope, cord, cable, chain, or belt on its rim.

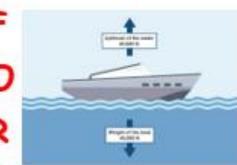
> Water resistance is the force responsible for making it difficult for us to move through the water. It acts between a moving object and the water molecules around it, slowing the object down.



The planets and the Sun do not touch, yet the

Gravity is a force which acts at a distance. It is a pull force that pulls objects towards the centre of the Earth.









planets stay in orbit around the Sun due to the force of gravity.