Vocabulary			
gravity	A pulling force exerted by the Earth (or anything else which has mass).	For	
friction	A force that acts between two surfaces or objects that are moving, or trying to move, across each other.	The Moon has a smaller mass than Earth so the gravitational pull on the	
air resistance	A type of friction caused by air pushing against any moving object.	Moon is smaller than it is on Earth.	
water resistance	A type of friction caused by water pushing against any moving object.		a g
weight	The measure of the force of gravity on an object.		on
mass	A measure of how much matter (or 'stuff') is inside an object.	Examples of forces in action:	8
forces	Pushes or pulls.	force resistance	
mechanism	Mechanisms are simple machines with moving parts that change input forces and movement into a set of useful output forces. Examples of mechanisms are	Force start to move.	es
pulley	A pulley is a wheel on a fixed axle with a groove in it to guide a rope or cable. The rope or cable is attached to the object you want to lift	change direction.	es al
lever	A lever is a simple machine which helps us to lift objects. It has a long arm and a fulcrum, which is where the arm pivots	change its shape.	



For example, air resistance is helpful as it stops the skydiver hitting the ground at high speed. Friction on a bike chain can make the bike harder to pedal so it is

load. The more wheels in a pulley, the less force is

connected, they always turn in the opposite direction to

Levers can be used to make a small force lift a heavier

Weight is how strongly gravity is pulling an object down.

Isaac Newton is famously thought to have developed his theory of gravity when he saw an apple fall to the ground from an

