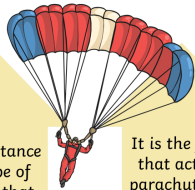


Forces

Identify the effects of air resistance, water resistance and friction between moving surfaces

Air Resistance



Air Resistance is a type of friction that occurs between the air and another material.

It is the force that acts in parachutes so that we don't crash to the ground.

Uplthrust is not a type of friction. It is when the gas or liquid below something pushes up more than the gas or liquid above.

Friction

Friction is a push against a moving object. It happens when there is contact between two materials, like a brake pad on a bicycle tyre.

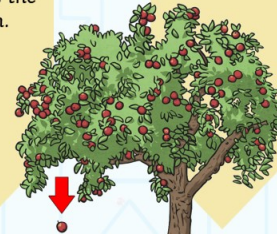
Friction is the force that stops or slows us when trying to move an object. If the object is already moving, friction is slowing it down.



Gravity is the force that pulls the Earth and other planets towards the Sun. It also keeps us and other objects on the ground.

We can represent gravity with an arrow pointing down towards the Earth.

Weight is the pull on the mass of an object by the Earth.



Gravity

Explain that gravity causes unsupported objects to fall towards the Earth

Key Vocabulary	Definition
Gravity	The name for a force that pulls everything down toward the
Friction	The resistance of motion when one object rubs against another
Air resistance	A type of friction between air and another material
Water resistance	A force that tries to slow things down when moving
Newton	A unit of measure for force
Force meter	A device used to measures forces
Drag	A name used for air or water resistance
Lever	A lever works by reducing the amount of force needed to move
Pulleys	Pulleys are made by looping a rope over one or more wheels.
Gears	Gears are wheels with teeth that slot together. When

