

Vocabulary

Year 5 Spring 1 - Forces

Air resistance	A type of friction between air and another object
Drag	Another word used as an alternative to air resistance
Contact force	A force between two objects that are touching each other
Force	Pushes and pulls in a certain direction. A force can change the speed or shape of an object
Friction	The contact force between two surfaces that are touching each other
Gravity	An invisible force that pulls things to the centre of the Earth (or other planets)
Streamline	Having a shape that has little resistance to a flow of air or water
Water resistance	A type of force caused by friction slowing things down that are moving through a liquid

Diagrams and pictures

Air resistance – A type of friction between air and another object.



Air resistance – A type of friction between air and another object.



Friction – The contact force between two surfaces that are touching each other.



Need to know knowledge

Friction, air resistance and water resistance are forces.

Friction opposes motion and slows down moving objects on surfaces.

Air resistance opposes motion and slows down moving objects in the air.

Water resistance opposes motion and slows down moving objects in the water.

Gravity is a force between the Earth and falling object.

Levers, pulleys and gears allow a smaller force to have a greater effect.

Working Scientifically



Links

Links to other topics ...

In Year 3, you learned the names of some forces.

Water resistance – A type of force caused by friction slowing things down that are moving through a liquid. Water resistance occurs in all liquids, not just water.

