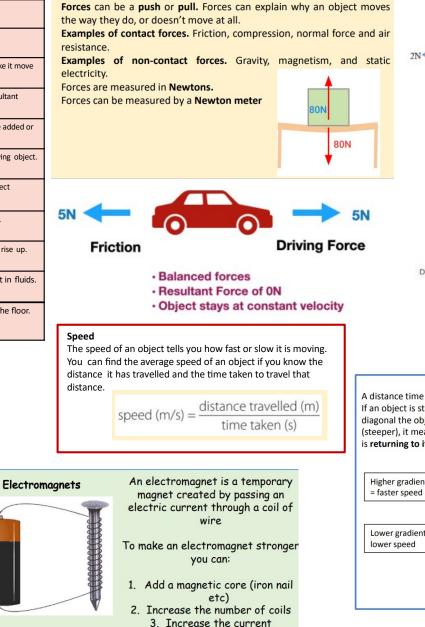
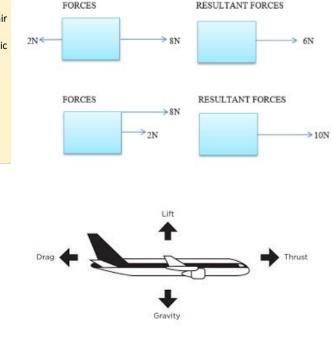
## **Forces and Magnets**

Keyword	Definition
Speed	How fast an object is moving
Acceleration	Speeding up
Pull	A force that is applied to an object to make it move
Balanced	Two forces are equal and opposite so resultant force = 0N.
Resultant Force	The force that is left when two forces are added or subtracted
Friction	A force that opposes the motion of a moving object
Push	A force that is applied and causes an object to move
Drag	A force that resits motion through the air.
Lift	A force that uses motion to make objects rise up.
Upthrust	An upwards force pushing on an object in fluids Like air or water
Reaction or Normal Force	A force that stops you falling through the floor.



Introduction to forces



## Distance Time Graphs

A distance time graph has the time on the x axis and the distance on the y axis. If an object is stationary (not moving) the line **will be horizontal.** If the line is diagonal the object is moving at a constant speed. If the line has a larger gradient (steeper), it means it is moving faster. If the line is going back towards the x axis it is **returning to its starting point**.

