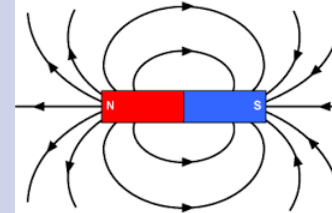




Vocabulary	Meaning
material	what something is made from
surface	the outside part or uppermost layer of something
friction	the resistance that one surface or object encounters when moving over another
lubrication	applying a substance to allow smooth movement
magnetic	how we describe a material that is attracted by the force of a magnet
non-magnetic	how we describe a material that is not attracted by a force of a magnet
attraction	when materials are connected with the magnet, or opposite poles when they come together
magnetic field	the area around a magnet in which there is a magnetic force
levitation	the action arising or causing the rising/hovering of something in the air
magnetic field lines	lines that show the directions of the magnetic force of the magnet
magnetise	give properties to make magnetic
intersect	cross over (magnetic fields do not intersect)
magnetism	an invisible force given off by a magnet which makes materials attract or repel
exert	apply a force on something
region	the area around something

Key knowledge – What is a magnetic field?



The magnetic field is the area surrounding a magnet where the force of magnetism is active. The force of a magnet is at its strongest at the North and South poles.

Key knowledge – What is a compass?



People have used compasses for hundreds of years. They have been used to help show people the direction they need to be travelling in. A magnet is what makes a compass point north. The compass needle points toward the top of Earth's magnetic field, providing direction.

Magnets in different situations



In a laptop lid so that the computer can tell if it is open or closed.



To sort coins in a vending machine.



To hold a fridge door closed.