

Forces and Magnets – Knowledge Organiser



Attract: the force by which one magnetic object is drawn towards another.

Force: forces are pushes or pulls. They are measured in newtons.

Friction: the force between two surfaces that are moving across each other.

Gravity: the pulling force that attracts a body or object towards the centre of the Earth.

Magnet: a magnet is an object or material that creates a magnetic field and attracts other objects/materials to it.

Magnetic: materials which are strongly attracted to a magnet

Non-magnetic: materials which are not attracted to a magnet.

North Pole and South Pole: magnets have north poles and south poles. These attract each other. Two north poles will repel each other, as will two south poles.

Pull: an example of pull as a force would be opening a door.

Push: an example of push as a force would be to push on a swing.

Repel: the force by which one magnetic object is pushed away by another. It is the opposite to attract.

