

# Forces and Magnets – Year 3 Knowledge Organiser

	Term	Definition
1	Force	A push or pull on an object which can cause it to move, change speed, direction or shape. Measured in Newtons (N).
2	Magnet	A material or object that produces a magnetic field. It attracts or repels magnetic objects, including iron.
3	Contact force	A force that requires physical contact to occur e.g. kicking a ball.
4	Attract	To pull towards. Opposite of repel.
5	Repel	To push away. Opposite of attract.
6	Propel	The act of driving or pushing forward.
7	Friction	The resistance of motion when one object rubs against another. Friction causes objects to slow down and the energy becomes heat.

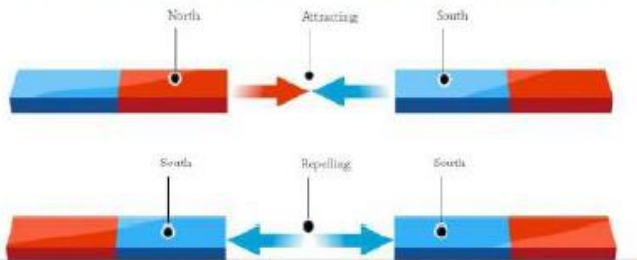


Bar Magnet

Horseshoe Magnet

Disc Magnet

Magnets have north and south poles. These attract each other but two north or two south poles repel each other.



## Examples of push and pull

