

Key questions to discuss:

- What do magnets do?
- Are all magnets the same strength?
- What materials can a magnet attract?
- What name is given to the two poles on a magnet?

Enquiry Question

Are all metals magnetic?

Vocabulary

Magnet	an object that can pull a magnetic material
Magnetic	describes a material which can be pulled by a magnet
Poles	the two ends of a magnet, known as the north pole (N) and south pole (S)
Magnetic force	a non-contact force caused by a magnet
Metal	a material that is usually hard and shiny
Non-metal	a material that is not metal
Iron	a metal that is magnetic
Aluminium	a metal that is not magnetic
Steel	a metal that is magnetic
Attract	a magnetic force that pulls
Repel	a magnetic force that pushes two magnets apart

Magnets

A magnet is a piece of iron or other material that attracts magnetic materials toward it.

Magnets produce an area of force around them called a magnetic field.

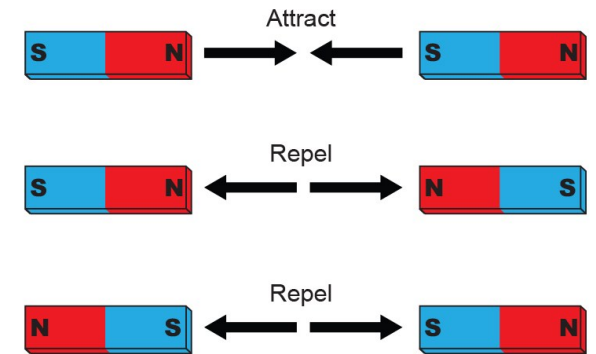
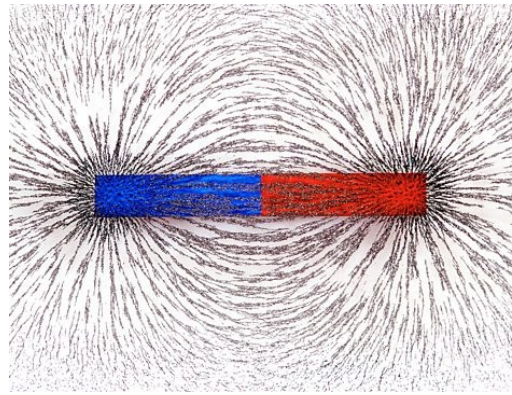
When objects enter the magnetic field, they are attracted to or repelled from the magnet if they are magnetic.

When magnets repel, they push each other away.

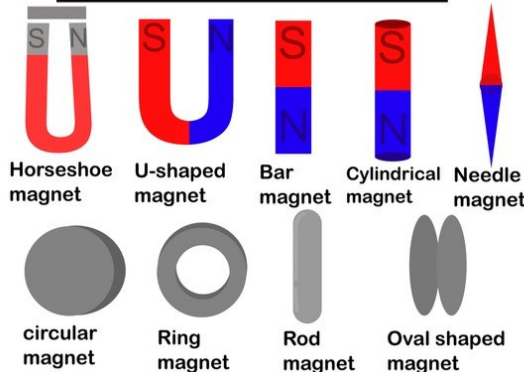
When magnets attract, they pull together.

The ends of a magnet are called poles. One end is called the north pole and the other end is called the south pole.

Opposite poles attract, similar poles repel.



Types of Magnets



Uses for Magnets

