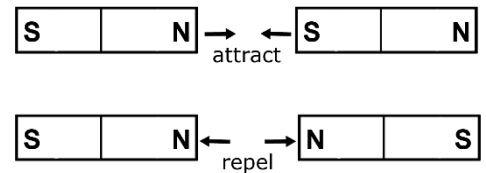


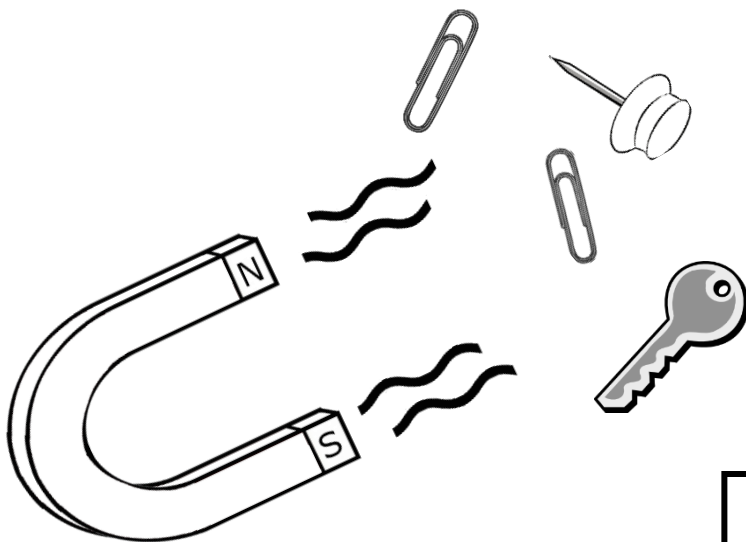
# Magnetism

Magnets produce an invisible area of magnetic force. This area is called a magnetic field. Magnetic objects placed within this magnetic field will be pulled towards the magnet. Objects made from metals such as iron, nickel and cobalt are magnetic. Not all metals, however, are magnetic. Objects made from metals such as aluminium, silver or gold would not be attracted to the magnet. Materials such as plastic, wood and glass are not magnetic.

Magnets have a magnetic north pole and a magnetic south pole. When the same pole from two magnets are placed near one another, they will push away (repel). When opposite poles are placed near one another, they will pull together (attract). Magnetism is a non-contact force.



A compass uses the Earth's magnetic field to work. The north pole of the magnet in a compass is pulled towards the Earth's magnetic north pole. Magnets have many other uses, including televisions, computers, fridges and telephones.



magnets    north    south    attract    repel  
field    magnetic    nickel    invisible    non-contact