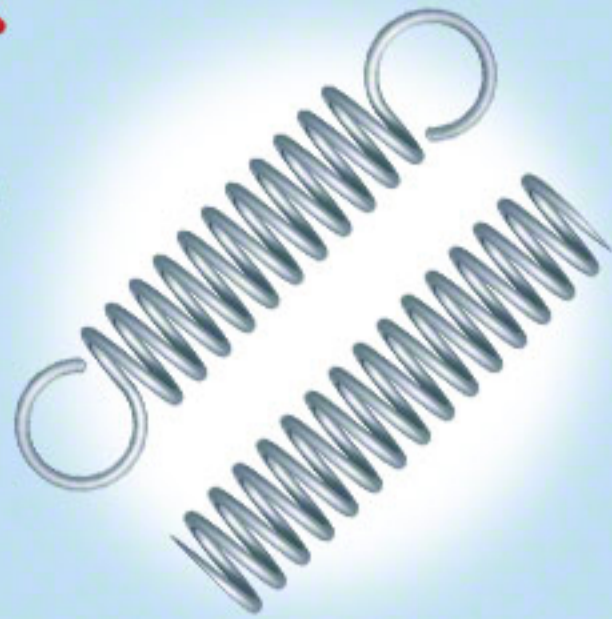


# Magnet Facts



Magnets have invisible **magnetic fields** which attract and stick onto steel items.



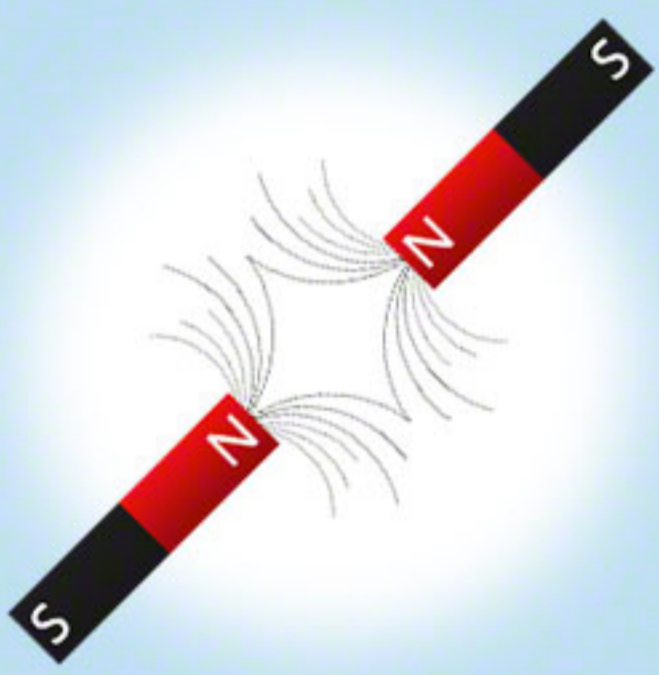
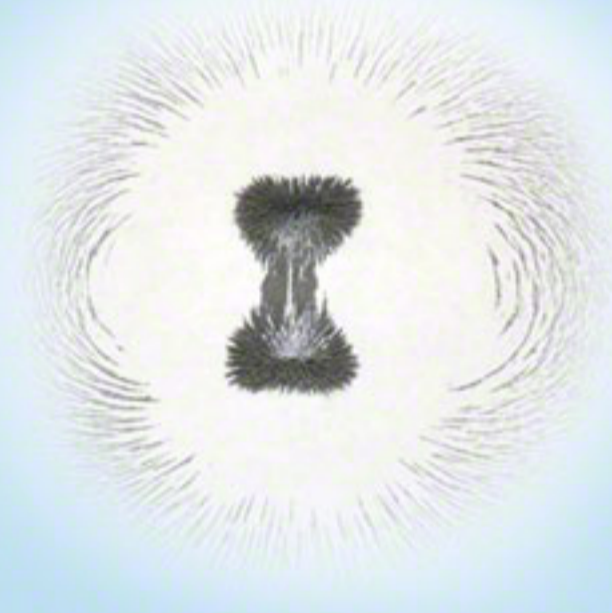
One end of a 'bar' magnet is a **north pole** and the opposite end is a **South Pole**

If you attach a bar magnet to a piece of wood and float it in a bowl of water, it will slowly turn and the magnet's **North Pole** will point towards the **Earth's North Pole**.



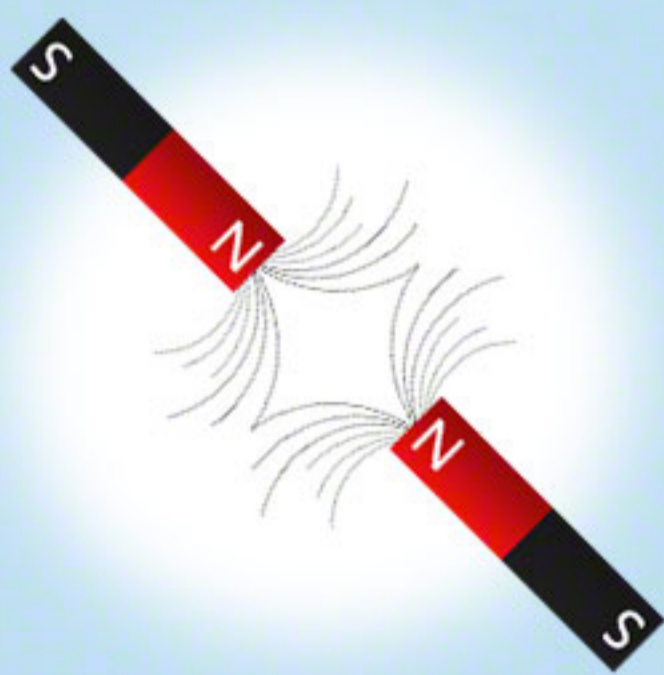
A **compass** has a **tiny bar magnet** in it and it works in the same way, so that explorers can find their way

If you put a bar magnet under a sheet of paper and sprinkle **iron powder** lightly over the top, you will suddenly see the invisible **magnetic field** as the particles stick to it.



The **North Pole** of one magnet will **repel** and push away the **North Pole** of another magnet.

The **South Pole** of one magnet will **repel** and push away the **South Pole** of another magnet.



The **North Pole** of one magnet will attract and stick to the **South Pole** of another magnet.