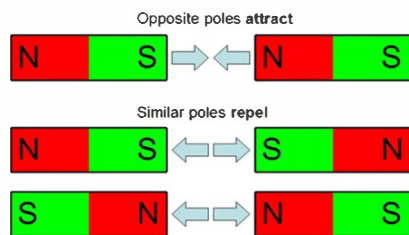
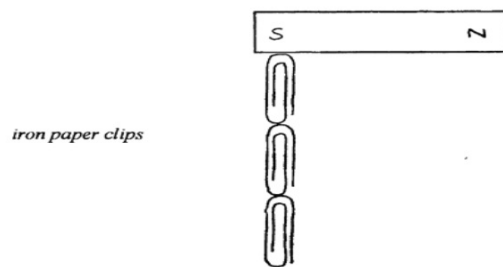


What materials stick to magnets?



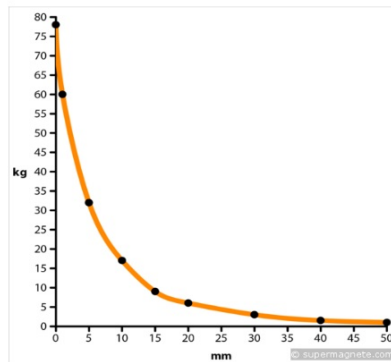
Magnets stick to objects that are made of iron or steel. Two magnets will repel if the same pole is facing each other and attract if the opposite pole is facing each other.

What happens when a piece of iron comes close to or touches a permanent magnet?



When a piece of iron comes in contact with a permanent magnet, the piece of iron gets induced and becomes a temporary magnet. The magnetism flows through the piece of iron allowing it to pick up another piece of iron.

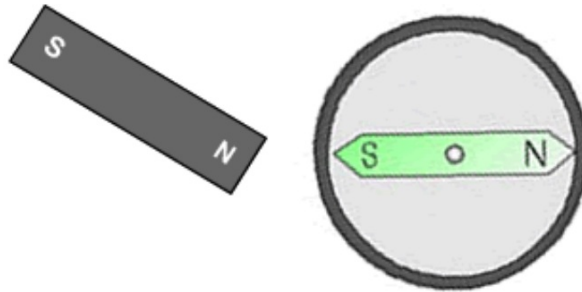
What happens to the force of attraction between two magnets as the distance between them changes?



The greater the distance between two magnets, the weaker the force of attraction. The closer the distance between two magnets, the stronger the magnetic force.

How does a compass work?

Detector



A compass works because the Earth's a magnet. North Pole attracts the "north" ends of other magnets, it is technically the "South Pole" of our planet's magnetic field.