

# MAGNETS

**WITH THE NAME OF ALLAH, MOST GRACIOUS, MOST MERCIFUL.**

A magnet has a magnetic field surrounding it in which magnetic forces act.

What is a magnetic field?

We know that a magnet can pull toward itself, and hold, pieces of metallic objects.

A magnet can also pull another magnet toward itself or push the other magnet away.

What is so remarkable is that a magnet can perform its work without touching the objects that it pulls or pushes.

This invisible force that makes magnets pull or push other metallic objects is called magnetism.

Magnetism must be a kind of force.

The area in which lines of magnetic force act is called a magnetic field.

The two poles of a magnet (north and south) show that our Rabb has created things in pairs.

We read in Sura al-Zariyat (ch. 51): verse 49:-

“And of every thing we have made pairs: that you may receive instruction.”

Bar magnets in compasses show direction.

A magnet can make a metallic object develop the properties of a magnet, i.e., it becomes magnetised and will also be able to attract other metallic objects.

What are the lessons to be gained from magnets?

Muslims should be like magnets in 'the magnetic field', (i.e.) Society. By our words and deeds we should attract others to the Islamic way of life.

Like a magnet can influence a non-magnetic metallic object to attract other metallic items such as nails, screws, etc. So too should Muslims preach the beautiful word of Allah (S.W.T.) to others so that they may develop the properties and qualities of righteous Muslims.

Just as a bar magnet in a compass gives direction, Muslims should direct humanity to the right path.

Muslims have to be like magnets --- they should not lose their properties and qualities. Therefore, Muslims must guard themselves against evil and wrong-doing.

We are reminded in Sura al- Maida (ch. 5): verse 108:-

"O you who believe! Guard your own souls: if you follow (right) guidance, no hurt can come to you from those who stray. The goal of you all is to Allah: it is he that will show you the truth of all that you do."

**Worksheet**

1) What is a magnetic field?

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2) Offer two great lessons we can learn from magnets.

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