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SUBJECT:- PHYSICS

CLASS:- XTH

DATE:06/09/XX

SUBJECT TEACHER:- MR. NEEL NIRANJAN

CHAPTER 2. (MAGNETIC EFFECTS OF AN ELECTRIC CURRENT) (BASED ON NCERT PATTERN)

(REVISION)

Question 1: Why does a compass needle get deflected when brought near a bar magnet ?

Solution : A compass needle gets deflected when brought near a bar magnet because the bar magnet exerts a magnetic force on the compass needle, which is itself a tiny pivoted magnet.

Question 2: Where do the manufacturers use a magnetic strip in the refrigerator ? Why is this magnetic strip used ?

Solution :Manufacturers use a magnetic strip in the refrigerator's door to keep it closed properly

Question 3: Fill in the following blanks with suitable words :

(a) Magnetic field lines leave the..... pole of a bar magnet and enter at its.....

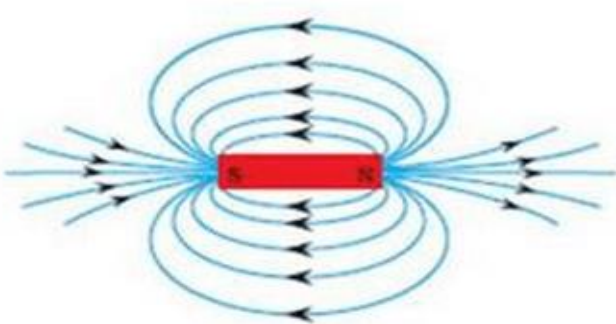
(b) The earth's magnetic field is rather like that of a..... magnet with its..... pole in the northern hemisphere.

Solution :(a) north; south.

(b) bar; south.

Question 4: Draw a diagram to show the magnetic field lines around a bar magnet.

Solution :



Magnetic field lines around a bar magnet