



# KALPAVRUKSHA MODEL SCHOOL

## ONLINE CLASS ASSIGNMENT

Class: VI

Sub: Physics

Date: 7.07.2021

Topic: Fun with magnets Part -2

Commented [1]: Approved

### I. Answer the following questions:

**1. Define poles of magnet.**

Ans : The end of the magnet where attraction is maximum is called magnetic poles.

**2. What would happen to the poles of a magnet if we break it into two pieces?**

Ans : The poles of a magnet can never be separated. If the magnet is broken into two pieces both the pieces would have north pole as well as south pole.

**3. How many poles are there in the magnet?**

Ans : There are two poles in the magnet.

**4. To which part of the magnet do the most of the iron filings (or pins) stick?**

Ans : The end part (poles) of the magnet attract the most of the iron filings.

**5. Define magnetic compass.**

Ans : An instrument used to find direction is known as magnetic compass.

**6. Explain how one can find directions using a magnetic compass.**

Ans : Finding direction using a magnetic compass:

a) Magnetic compass has a small magnetic needle at its centre. This needle can rotate freely and always points in the earth's north-south direction. The compass is rotated till the north marking coincides with the end of the needle pointing north.

b) The desired direction is read on the compass.

c) Earth's geographical poles and the magnetic poles are not the same. The magnetic pole found deep inside the northern hemisphere of the earth is a south type magnetic pole. Hence, earth's magnetic north is geographic south pole.

**7. Magnetic compass is used by travellers. Give a reason.**

Ans : Magnetic compass has a small magnetic needle at its centre which can rotate freely and it always points in north and south direction. So magnetic compass is used by travelers to find the direction.

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