

Fun with Magnet

Fill in the blanks :-

1. _____ is the surest test of magnetism.
2. A material which attracts pieces of iron or steel is called _____.
3. _____ is the world's first magnet.
4. Electronics devices get damaged by _____.
5. The substances which are strongly attracted by a magnet are called _____ substances.
6. The two main important properties of a magnet are its _____ property and its _____ property.

Write True or False :-

1. Mixture of ferric oxide & barium oxide is called ferrite.
2. A freely floating magnet always points in North – South direction.
3. Aluminium is an example for magnetic substances.
4. Pieces of iron keeping on both ends of magnet are called magnetic keepers.
5. Magnetic attraction is maximum at the poles of a magnet.

Name the following :-

1. Name the substances from which artificial magnets are made.
2. Name two poles of a magnet.
3. Name the method to magnetize a piece of iron.

Define :-

- (1) Magnetic compass

Distinguish between

- (1) Magnetic & non magnetic substances
- (2) Natural & artificial magnet.

Fun with Magnets

I. Fill in the blanks :

1. A freely suspended _____ always points in the north-south direction.
2. Similar poles of two magnets always _____ each other.
3. Bar magnet is an example of _____ magnet.
4. A magnetic _____ is used for finding geographic direction.

II. Write true or false in front of the statements given below:

1. Bar magnet is more powerful than natural magnet.
2. Magnetic poles always exist in pairs.
3. Magnetic attraction is maximum in the middle of a bar magnet.
4. Magnetic Compass is used for finding magnetic directions.
5. Small pieces of wood are attracted by a strong magnet.
6. A magnet can separate iron nails from a mixture of iron filings and iron nails.

III. Classify the given materials as magnetic or non-magnetic :

A shaving blade, a plastic ruler, a steel cupboard, a brass button,
a piece of chalk, a plastic mug, a blade of knife, water, wooden stick,
copper wire, iron nail, sewing needle, paper clip, eraser, safety pin, cork,
spoon, rubber band, tooth brush.