

Chapter 6: Magnetism

Worksheet 1

1. Write T for true and F for false statement.

- (i) Which one of the following is nonmagnetic substance?
(a) Iron (a) Wood (a) Nickel (a) Cobalt
- (ii) Which one of the following is natural magnet?
(a) Needle-shaped magnet (b) Horseshoe magnet
(c) Cylindrical magnet (d) Lodestone
- (iii) A magnetic compass works on the
(a) directive property of a magnet (b) attractive property of a magnet
(c) repulsive property of a magnet (d) magnetic power of a magnet
- (iv) A magnet can be demagnetised by
(a) heating it repeatedly (b) dropping it frequently from a height
(c) hammering it frequently (d) all the above processes
- (v) The north pole of magnet always repels
(a) a north pole (b) a south pole
(c) both south and north poles (d) neither south nor north pole

2. Name the following.

- (i) Material used to prepare permanent magnets.
(ii) Material which is used to make magnetic keepers.
(iii) A magnet prepared artificially by humans.
(iv) A substance which attracts objects made of iron, nickel and cobalt.
(v) Two points near the edges of a magnet where most of its magnetic power is concentrated.

3. Answer the following questions.

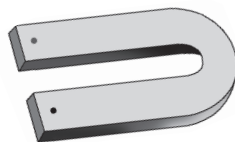
- (i) What do you mean by magnetism?
(ii) Define magnetic substances with two examples.
(iii) List two properties of a magnet.
(iv) Name an imaginary line passing through the two poles of a magnet.
(v) What is the distance between two magnetic poles of a bar magnet called?

4. Identify and name the following figures.

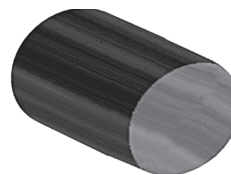
(a)



(b)



(c)



Chapter 6: Magnetism

Worksheet 2

1. Write T for true and F for false statement.

- (i) Each and every magnet has two poles.
- (ii) Poles of a magnet can be separated by breaking it in two pieces.
- (iii) Like poles of magnets attract each other.
- (iv) Magnets can be stored safely with the help of magnetic keepers.
- (v) Artificial magnets are also called man-made magnets.

2. Fill in the blanks.

- (i) Magnetic poles occur in _____ only.
- (ii) The _____ is a device used by navigators and pilots to know the directions.
- (iii) _____ substances are attracted by a magnet.
- (iv) The arrow marks on the magnetic field lines give the _____ of a magnetic field.
- (v) Permanent magnets are made from _____ of iron, nickel and cobalt.

3. Match the following.

Column A

- (i) Magnetic keepers
- (ii) Wood
- (iii) Lodestone
- (iv) Bar magnet
- (v) The earth

Column B

- (a) Artificial magnet
- (b) Nonmagnetic substance
- (c) Soft iron
- (d) A huge magnet
- (e) Natural magnet

4. Answer the following questions.

- (i) What is meant by magnetic length?
- (ii) Name the method of magnetising an iron/steel by rubbing a single bar magnet against it.
- (iii) Name the magnet made by using an electric current.
- (iv) Name two nonmagnetic substances.
- (v) Which magnet has less magnetic power, natural magnet or artificial magnet?