

SUMMATIVE ASSESSMENT 1
SCIENCE

CLASS- VI

ASSIGNMENT NO. 11

FUN WITH MAGNETS

Q1. Answer the following:

- i. A natural magnet-
- ii. Any one pole of a magnet-
- iii. A magnetic material-
- iv. A non magnetic material-
- v. A device used by sailors to find out directions –
- vi. Any one shape of an artificial magnet-
- vii. Place where natural magnets were discovered-
- viii. Total number of poles in a cylindrical magnet-
- ix. Magnet that retain magnetism for short period of time

Q2. What is a magnet?

Q3. Write an activity to prove each one of the following:

- a) Effect of magnet
- b) Presence of magnetic particles in soil

Q4. List some properties of magnets?

Q5. Draw the diagram of a Magnetic Compass.

Q6. How do you protect magnets from losing their properties?

Q7. Give some uses of magnets?

Q8. How can you make a Magnetic Compass of your own? Draw the diagram also.

Q9. Can a blade be converted into a magnet? If so, how?

Q10. If you bring a magnet close to the Iron filling, the Iron fillings gets attracted towards the magnet. Where will the attraction be maximum or minimum in a magnet?

Q11. How can you prove that a freely suspended bar magnet always align in North-South direction?

Q12. Hitesh's grandfather accidentally dropped few iron nails and screws in the kitchen garden. Hitesh helped him in getting the nails and screws back from the soil. Hitesh used a magnet for this.

(a) Explain why Hitesh used a magnet for this purpose?

(b) What moral values are shown by Hitesh over here?

(c) Name some other materials that can be separated from a mixture, using a magnet?

Q13. When you are listening to song by using a small radio, it gives lot of disturbance when you changing the direction. Why?

Q14. Tick the correct option:

1. Magnetic force is maximum at the :
 - a) Centre
 - b) Poles
 - c) Equal over the entire length of the magnet
 - d) Close to the centre
2. Materials which are attracted towards a magnet are called:
 - a) Magnets
 - b) Magnesia
 - c) Magnetite
 - d) Magnetic
3. A freely suspended bar magnet always aligns in which direction:
 - a) N-S

- b) S-N
 - c) E-W
 - d) W-E
4. Which of the following is not a magnetic material:
- a) Nickel
 - b) Stainless Steel
 - c) Iron
 - d) Cobalt
5. Choose the incorrect statement out of the following:
- a) North pole of a magnet attracts South pole of another magnet
 - b) Any pole of a magnet can attract any pole of other magnet
 - c) A magnet always has two poles
 - d) All of these
6. _____ is the surest test of magnetism.
- a) Attraction
 - b) Rotation
 - c) Repulsion
 - d) None of these