

BRAIN INTERNATIONAL SCHOOL

Science Assignment

Class: VI

December'2024

Chapter -10: Fun with Magnets

1. Choose the correct option:

- (i) A magnet is used in a
(a) Bulb (b) Cell (c) Motor (d) Compass
- (ii) Choose the natural magnets
(a) Iron (b) Alnico (c) Magnetite (d) Nickel

2. In each of the following questions, two statements are given- one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:

- a) Both A and R are true, and R is correct explanation of the assertion.
b) Both A and R are true, but R is not the correct explanation of the assertion.
c) A is true, but R is false.
d) Both assertion and reason are false.
- (i) Assertion (A): The north pole of a freely suspended magnet points towards geographic north.
Reason (R): Using pieces of iron we can make artificial magnets.
- (ii) Assertion (A): A simple magnetic compass can be prepared by inserting a magnetised iron needle in a piece of cork and allow the cork to float in water kept in a bowl.
Reason (R): In the above arrangement the needle must touch water while floating

3. Answer the following questions:

1. Name the device used to determine the directions?
2. Where are poles of a bar magnet located?
3. Write any two properties of magnet?
4. A tailor was stitching buttons on his shirt. The needle has slipped from his hand on to the floor. How will you help the tailor to find the needle?
5. A bar magnet has no markings to indicates its poles. How would you find out near which end is its north pole located?
6. You are given an iron strip. How will you make it into a magnet?