

INTERNATIONAL INDIAN SCHOOL BURAI DAH
WORKSHEET FOR THE ACADEMIC YEAR 2025-26

Class-6th

Subject : Science

Lesson: 4 Exploring magnets

A. Fill in the blanks:

1. A suspended magnet comes to rest in _____ direction.
2. _____ is a example of magnetic material.
3. _____ poles of magnets repel each other.
4. A magnet has _____ poles .
5. Unlike poles of magnets _____ each other.
6. Rubber is a example of _____ material.
7. The ____ of a magnet is where the magnetic force is strongest.

B. Choose the correct options:

1. Which of the following is a natural magnet?
(a) Iron (b) Lodestone (c) Nickel (d) Copper
2. Which of the following shapes can artificial magnet have?
(a) Cylindrical (b) Horseshoe (c) Ball-ended (d) All of these
3. Which of the following will be attracted to a magnet?
(a) Iron (b) Plastic (c) Paper (d) Wood
4. A freely suspended bar magnet always rests in
(a) East-west direction (b) Upside down (c) North-south direction (d) Any direction by chance
5. Like poles of two magnets always:
(a) Repel (b) Merge (c) Attract (d) Dissolve
6. When a bar magnet is brought near iron dust, most of the dust sticks:
(a) Equally everywhere (b) Near two ends (c) At the middle and ends (d) Near the middle

C. Name the following:

1. The materials which are attracted towards a magnet are called
2. When two magnets are brought close to each other, like poles __ each other.

3. The two ends of the magnet are called

4. The device used to find the direction is

D. The question below consists of an Assertion and a Reason. Use the following key to choose the appropriate answer.

- (a) Both **A** and **R** are true and **R** is the correct explanation of **A**.
- (b) Both **A** and **R** are true but **R** is not the correct explanation of **A**.
- (c) **A** is true but **R** is false.
- (d) **A** is false but **R** is true.

1. **Assertion (A):** Lodestone is an artificial magnet.

Reason (R): A freely suspended magnet rests along the North-South direction.

2. **Assertion (A):** Iron is a magnetic material.

Reason (R): Magnetic materials are the materials that are attracted by a magnet.

3. **Assertion (A):** Maximum iron filings stick near the ends of the bar magnet.

Reason (R): Magnetic strength is minimum on the poles of a magnet.

E. Answer the following questions:

1. How can you make a simple compass at home?

2. What is a magnet?

3. Write any three uses of magnet.
