

CLASS 6

SCIENCE

REVISION NOTES

Class 6 Science Chapter 4 Exploring Magnets Revision Notes

Quick revision notes for Class 6 Science Chapter 4, "Exploring Magnets" -- key facts at a glance for fast last-minute review.

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Quick revision notes for **Class 6 Science Chapter 4, “Exploring Magnets”** — key facts at a glance for fast last-minute review.

Magnetic vs Non-Magnetic Materials

Magnetic: iron, nickel, cobalt (and their alloys).

Non-magnetic: wood, plastic, rubber, paper, cloth, aluminium, copper, gold, silver.

Lodestone: a natural magnet (magnetite).

Poles of a Magnet

Every magnet has a **North** and **South** pole — magnetic force is strongest there, weakest in the middle.

Breaking a magnet always creates **new N-S pairs** — a single isolated pole is impossible.

Attraction and Repulsion

Like poles repel (N-N, S-S). **Unlike poles attract** (N-S).

A plain iron bar only ever **attracts** to a magnet — it never repels. Repulsion = definitive proof both objects are magnets.

Magnetic Compass

A pivoted, needle-shaped magnet that aligns **north-south** because Earth itself acts like a giant magnet.

The needle’s north-seeking end points to geographic North — meaning Earth’s **magnetic South pole** is near the geographic North Pole.

Historical Indian device: **Matsya-yantra** (magnetised fish-shaped iron floated in oil).

Other Key Facts

Magnetic force passes through non-magnetic materials (wood, glass, plastic) without much weakening.

A steel object can be magnetised by stroking it repeatedly in one direction with a magnet.

Store magnets in pairs with unlike poles adjacent; avoid heat, dropping, and hammering to preserve magnetism.

Quick revision: [Solutions](#) | [Extra Questions](#) for this chapter.

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