

Class-VI

Subject - Physics

Chapter - 6

Magnetism

Date: 25.11.24

Teacher: Nimrita

Good Morning Children! This lesson is for Class-VI, Subject-Physics, Chapter-6, Magnetism of your textbook, Concise Physics, Selina Publications. It is being submitted to you on 25th November, 2024.

Today, we are going to discuss about types of magnets and properties of magnets.

Discovery of magnets

The first magnets were found from magnetite around 800 B.C.

There is a story about a shepherd named Magnes whose shoe nails and iron hook of his stick were stuck to a rock containing magnetite. The rock was later called as magnet. (Lodestone)

Natural magnets:

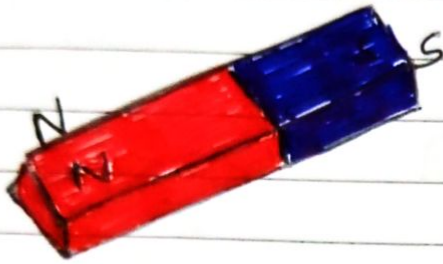
The magnets that are found in nature are called as natural magnets. They are weak in strength. eg: Lodestone.

Artificial magnets:

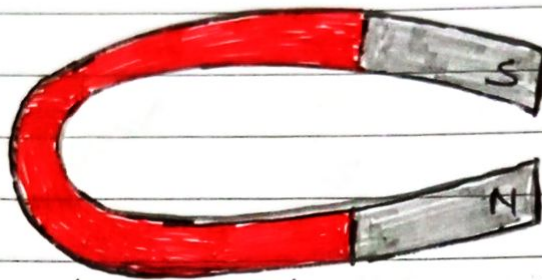
The magnets that are made by us are called as artificial magnets. eg: Bar magnet, Horse shoe magnet.

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Bar magnet



Horse shoe magnet

Magnetic substances

The substances that get attracted by a magnet.

eg: Iron, steel

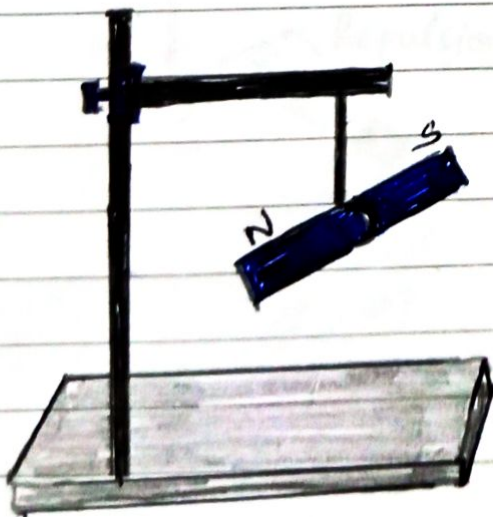
Non magnetic substances

The substances that do not get attracted by a magnet.

eg: Wood, Plastic

Characteristics of a magnet:-

- 1) When a magnet is suspended freely, it always rests in north-south direction.



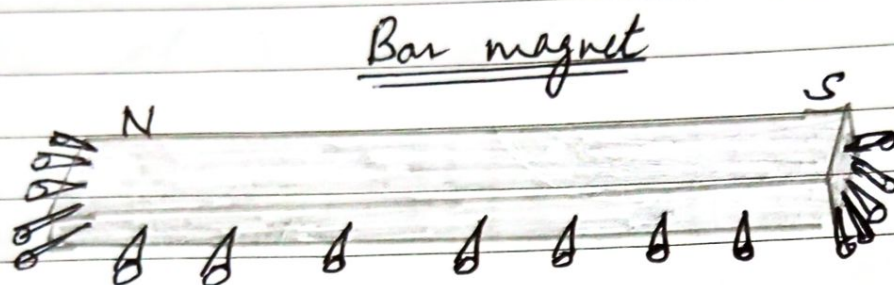
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- 2) A magnet attracts small pieces of iron

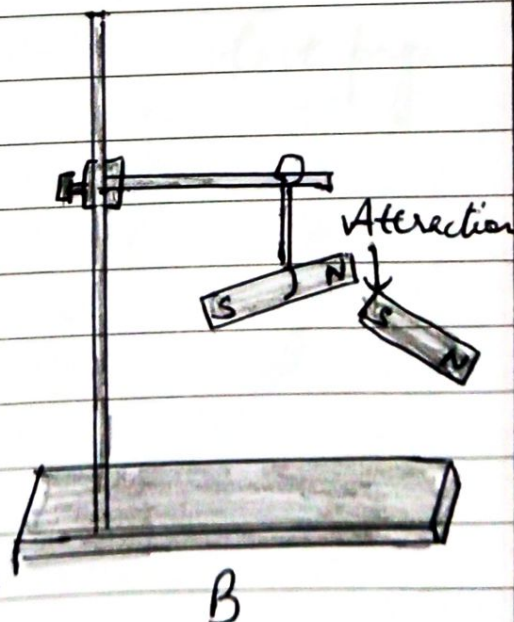
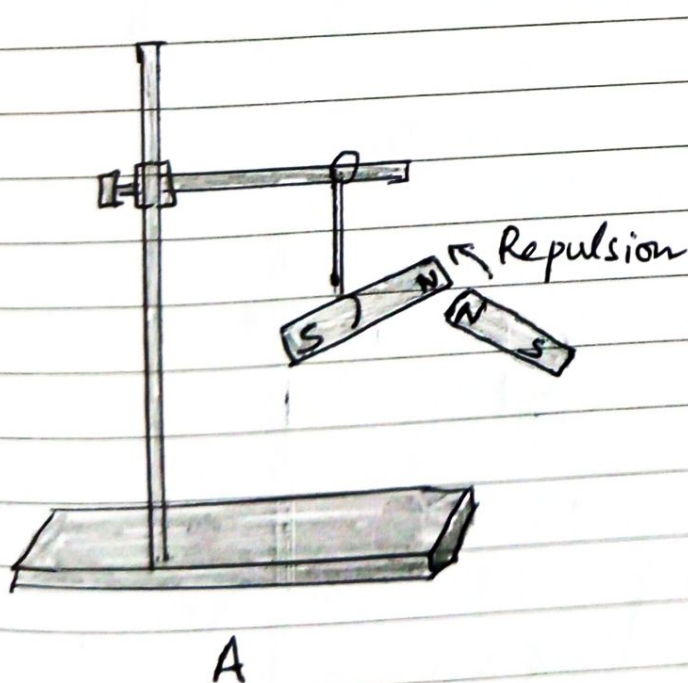


Attraction is maximum near the ends of a magnet.

- 3) Like poles repel and unlike poles attract.

Two like poles (both north poles or both south poles) repel each other.

Two unlike poles (one north pole and the other south pole) attract each other.

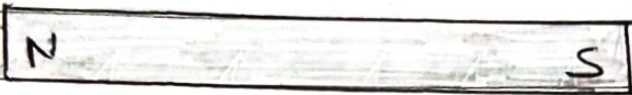
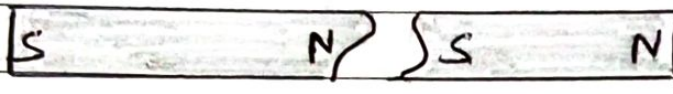


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25th November, 20244.) Poles exist in pairs :-

Poles exist in pairs. It is not possible to separate the two poles of a magnet.

a) b) c) Poles exist in pairs.

With this topic, I am ending up today's lesson. Kindly read the chapter till this topic from your textbook also.
Thankyou!

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