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STUDY MATERIAL SCIENCE

CLASS-VIII

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▶ Force and pressure

Non-contact or magnetic force :

- ✧ The force that acts between magnets or between a magnet and magnetic materials, such as iron or steel, is known as magnetic force.
- ✧ Every magnet has two poles-north and south at are the ends that point in the north and south directions, respectively, when a bar magnet or a magnetic needle is suspended freely.
- ✧ If the like poles of a magnet brought close to each other, they will repel each other strongly. But if unlike poles brought closer to each other they attract strongly.
- ✧ This repulsion or attraction between two magnets happens due to the magnetic force and can be considered as another form of push or pull.
- ✧ Since the magnets need not be in contact to exert the force, magnetic force is considered to be a form of non-contact