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STUDY MATERIAL SCIENCE

CLASS-VIII

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▶ Force and pressure

➤ **Gravitational Force :**

- ✧ We are aware that any object when dropped in mid-air falls to the ground.
- ✧ As long as a piece of stone is held in the hand, it remains stationary.
- ✧ But as soon as it is released, it begins to move downwards and falls to the ground.
- ✧ This unseen force acting on objects and causing them to fall down is called the gravitational force or force of gravity, or simply gravity.
- ✧ Gravity makes all objects fall towards the earth's centre. It is because of the gravitational force that water always flows downwards.