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STUDY MATERIAL SCIENCE

CLASS-VIII

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▶ Force and pressure

Pressure :

- If the area of contact is increased, the pressure acting per unit area on a surface can be reduced considerably.
- For example, by making the shoulder straps of school bags broader, the pressure felt at the shoulders is lesser than what would be felt if narrow straps were used.
- For the same reason, porters at railway stations use a wide coiled piece of cloth to increase the area of contact between the head and the luggage being carried, which reduces the pressure of the luggage and makes carrying the load less