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Physical quantities and measurement
Home Assignment

1) Define Volume.

Ans) The space occupied by an object is called its volume of an object.

2) State and define the SI units of volume.

Ans) The SI unit of volume is cubic metre. One cubic metre is the volume of a cube with each side ~~one~~ 1 metre long. $1\text{m}^3 = 1\text{m} \times 1\text{m} \times 1\text{m}$

3) Define measurement.

Ans) The process of associating numbers with physical quantities and phenomena is called measurement.

4) Define Area.

Ans) The surface occupied by ~~every~~ an object is called its area.

5) State and define the SI unit of Area.

Ans) The SI unit of area is square metre.

It is equal to the area of a square of side 1m. $1\text{m}^2 = 1\text{m} \times 1\text{m}$.