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STUDY MATERIAL SCIENCE

CLASS-VI

Date : 12-08-2021

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▶ Motion & Measurements

Unit of measurements

- It involves the comparison of an unknown quantity with some known quantity of the same kind.
- This known fixed quantity is called unit.
- The result of measurement is expressed in two parts. One part is a number; the other part is the unit of measurement.

Circular motion: When a body moves in a circular path, its motion is known as circular motion.

Distance: Measurement of gap between two points in certain units is called distance.

Measurement: Measurement means the comparison of an unknown quantity with some known quantity.

Motion: It is a state of objects in which they are moving that is, they are changing their place with time.

Periodic motion: Motion in which an object repeats its motion after a fixed interval of time is called periodic motion.

Rectilinear motion: When the objects change their position with time along a straight line, this type of motion is called rectilinear motion.

SI units: In October, 1960 the 12th general conference on weight and measures adopted the International system of units to maintain uniformity all over the world. This system of units is called SI units.

Units of measurement: Measurement means the comparison of an unknown quantity with some known quantity. This known fixed quantity is called a unit of measurement.