

Physical Quantities and Measurements

Date _____

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B. Short / Long Answer Questions :-

1. What is measurement? How is a measurement expressed?

Ans. Measurement is a comparison of an unknown quantity with a known fixed quantity of the same kind. The value obtained on measuring a quantity is called its magnitude. Magnitude of a quantity is expressed as numbers in its units.

2. State two characteristics of a unit.

Ans. The two characteristics are :-

- * It should be of convenient size.
- * It must be universally accepted.

3. Name four basic measurements in our daily life.

Ans. The four basic measurements are :-

- * Length
- * Mass
- * Time
- * Temperature.

Assignment

Q. What is the need and importance of measurement?

Ans. Measurement is very important because without the ability to measure it would be difficult for scientists to conduct experiments. It is not only important for the scientist but also in every field like farming, engineering, construction, manufacturing, commerce and numerous other occupations and activities.

Q. How is measurement expressed?

Ans. Measurement is a comparison of an unknown quantity with a known fixed quantity of the same kind. The value obtained on measuring a quantity is called its magnitude. It is expressed as numbers in its units.