



To Understand the importance of definitions of Physical quantities

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Learning Objective

- Understand the words, their importance, the conditions related to a definition
- Students are able to define physical quantities using appropriate scientific terms and able to understand them completely
- Students avoid ambiguity while writing or understanding physical quantities
- *Context- students write definitions in own words which mostly turn wrong*

Learning activities

- Define : “Boiling Point”
- Answer : What is the boiling point of water?

- In the lab, set up similar test tubes with 100mL of water, distilled water, salt water and allow each to boil in similar heat source and lab condition
- Note the temperature at which each of them boils
- Repeat at various times
- Compare the result
- Have you got it as 100 degree C?

Research and reason out

- What is meant by Boiling point?
- What factors affect it?
- Why is that you have not observed 100C though you have been by-hearting from your books ?
- Does it mean your samples too have been affected by different factors?
- Can you guess any other factor that can affect it?

Reflect

- Concept of boiling point was discussed again
- Factors that are implicit in this definition were spelled out
- Lead to the understanding of importance of various Physical quantities and defining them appropriately