

Measurement of Time and Temperature

A. Choose the Correct Answer:

1. What is used to measure time?

- A) Thermometer
- B) Clock
- C) Ruler
- D) Compass

2. Which unit is used to measure temperature?

- A) Kilogram
- B) Degree Celsius
- C) Meter
- D) Liter

3. What is the freezing point of water in degrees Celsius?

- A) 100°C
- B) 50°C
- C) 0°C
- D) 25°C

B. Fill in the Blanks:

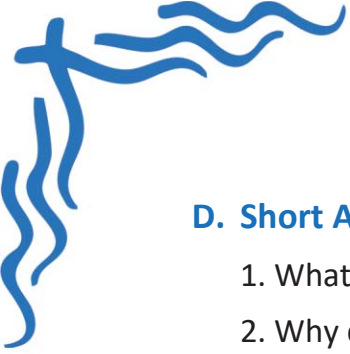
1. A _____ is used to measure temperature.
2. There are _____ seconds in one minute.
3. The standard unit of time is the _____.

C. Case Study:

Ravi's mother was baking a cake. She set the oven temperature to 180°C and checked the clock to see that the cake needed 30 minutes to bake. While waiting, Ravi used a thermometer to measure the temperature of water kept outside. He noticed that the temperature was lower in the morning and increased by afternoon.

Case Study Questions:

1. What did Ravi's mother use to measure temperature while baking?
2. How did Ravi observe changes in temperature during the day?
3. Why is it important to measure time while cooking?
4. How does a thermometer help in understanding daily temperature changes?



D. Short Answer Questions:

1. What are the different devices used to measure time?
2. Why do we need to measure temperature?
3. How does a clock help in our daily life?

E. Long Answer Questions:

1. Explain how time is measured using different instruments, like clocks, watches, and sundials.
2. Describe how temperature changes throughout the day and why it is important to measure it.
3. Discuss the importance of accurate time and temperature measurement in everyday activities like cooking, medicine, and weather forecasting.