

Physics (New Book) - 9th Class Physics English Medium Chapter 8 Preparation

Ans 1: Temperature of a body is the degree of hotness or coldness of body. It change withe the flow of heat. Unit: Its SI unitis

Q2. What is meant by conduction?

Q1. What is temperature?

kelvin.

Ans 1: The mole of transfer of heat by vibrating atoms and free electrons in solids from a hot to cold parts of a body is called conduction of heat.

Q3. What is temperature

- Ans 1: Temperature of a body is the degree of hotness or coldness of body It change with the flow of heat
- **Ans 2:** Example: A candle flame is hot and is said to be at high temperature. Ice on the other hand is cold and is said to be at low temperature.
- Q4. Why gaps are left in railway tracks.
 - **Ans 1:** Gaps are left in railway tracks to compensate thermal expansion during hot season. Because in summer railway tracks expand due to increase interperature.
- Q5. What is meant by thermal expansion?
 - Ans 1: If change in temperature cause the change in length, or volume of a substance then it is called as thermal expansion of that substance.
- Q6. Differentiate between freezing and melting point
 - **Ans 1:** Freezing point: In liquids the point of temperature which liquids starts to become solids Freezing point is that point which liquids starts to become solids Water starts to become ice at temperature.
 - **Ans 2:** Melting point: In solids the point of temperature which solids starts to become liquids Melting point is that point which solid starts of become water at temperature of

Q7. Write down the values of coefficient of Gold and Silver

Ans 1: Co-efficient of = God 1.3*10k Co-efficient of = Silver 1.93*10

Q8. Write names of two scales of measuring temperature

Ans 1: There are three scales of measuring temperature.

Celsius scale Fahrenheit scale

Q9. Why does heat flow from hot body to cold body

Ans 1: Heat flows from hot body to cold body due to difference of temperature between them . The temperature of hot body decreases because it loses heat. Cold body gains this heat and its temperature increases. The transfer of heat energy continues till both the bodies have same temperature.

Q10. How many intervals are in Fahrenheit scale

Ans 1: In Fahrenheit scale the interval between lower and upper fixed points is divided into 100 equal parts Lower fixed point = 32, Upper fixed point = 212