

Name: 12th CBSE-A-Mathematics

Instructions

There are 3 Videos and 7 Questions in this Homework

Due Date

11th April 2022

No. of Videos

3 Videos

No. of Questions

7 Questions

How much energy is released or absorbed when 1 of steam at 100°C turns to ice at 0°C ?

How do you appreciate the role of the higher specific heat of water in stabilizing atmosphere temperature during winter and summer seasons?

_____ is used as a coolant.

Specific heat $S =$

The SI unit of specific heat is _____.

Suppose that 1 l of water is heated for a certain time to rise and its temperature by 2°C . If 2 l of water is heated for the same time, by how much will its temperature rise in $^{\circ}\text{C}$?

How much energy is transferred when 1 gm of boiling water at 100°C cools to water at 0°C ? Specific heat $= 1 \text{ cal gm}^{-1}^{\circ}\text{C}^{-1}$ and latent heat 540 cal gm^{-1} .

Explain the procedure of finding specific heat of solid experimentally?

What role does specific heat play in keeping a watermelon cool for a long time after removing it from a fridge on a hot day?