Name: 12th CBSE-A-Mathematics

Instructions

There are 3 Videos and 7 Questions in this Homework

Due Date	No. of Videos	No. of Questions
11th April 2022	3 Videos	7 Questions

How much energy is released or absorbed when 1 gm 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 °C?
How much energy is transferred when 1 gm of boiling water at 100 °C cools to water at 0 °C? Specific heat = 1 cal gm^{-1} $°C^{-1}$ 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?