

HOME ASSIGNMENT

1) Define Heat.

Ans: Heat is a form of energy which flows from a hot body to a cold body when they are kept in contact. This process of heat transfer continues till the temperature of both the bodies becomes equal.

2) Define 1 calorie.

Ans: One calorie is defined as the heat energy required to raise the temperature of 1g of water by 1°C .

3) Differentiate between heat and temperature.

Ans:

<u>Heat</u>	<u>Temperature</u>
* The heat of an object is the total energy of all the molecular motion inside that object.	Temperature is the measure of the thermal energy or average heat of the molecules in a substance.
* The symbol of heat is Q . The S.I. unit of heat is Joule.	The symbol of temperature is T . Its S.I. unit is Kelvin.
* Heat is a cause and the device used to measure heat is calorimeter.	Temperature is an effect and the device used to measure is Temperature