

Homework

1. Define Heat.

A) Heat is a form of energy which flows from a body at a higher temperature to a body at a lower temperature when they are kept in contact.

2. Define 1 cal.

A) 1 cal is the amount of heat required to raise the temperature of one gram of water by 1°C.

3. Differentiate between heat and temperature.

Basis of comparison	Heat	Temperature.
1. Definition	It refers to the amount of energy present in a body.	It is the measure of the heat's intensity.
2. Unit of measurement	Joules	Celsius, Fahrenheit, Kelvin
3. Measures	It is the total kinetic and potential energy which the molecules in an object contain.	It is the average kinetic energy of the molecules present in an object.
4. Working Ability	The heat has the ability to do work.	We can use it to measure the degree of heat.
5. Device	Calorimeter	Thermometer