

## ch-5

### Heat energy

#### Home assignment

1) Define heat.

Ans) The energy released when we burn anything like coal, oil, wood or gas is called heat energy.

2) Define 1 cal

Ans) One calorie is defined as the heat energy required to raise the temperature of 1g of water by  $1^{\circ}\text{C}$ .

3) Differentiate between heat and Temperature.

Ans) Heat :- Heat is a form of energy which flows from a hotness or coldness of a body to 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.

Temperature :- Temperature is a quantity which tells us the degree of hotness or coldness of a body. When a body is heated, its temperature rises and when it is cooled its temperature falls.