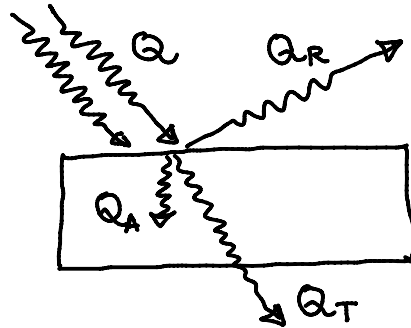




$$Q = Q_A + Q_R + Q_T \quad \text{--- (1)}$$

(radiation)

$Q_A \rightarrow$ part of heat, absorbed by the body.

$Q_R \rightarrow$ part of heat, reflected by the body.

$Q_T \rightarrow$ part of heat, transmitted through body.

$$\frac{Q}{Q} = \frac{Q_A}{Q} + \frac{Q_R}{Q} + \frac{Q_T}{Q}$$

$$1 = a + r + t \quad \text{--- (2)}$$

(radiation)

$t =$ Transmittance = ratio of heat, transmitted through the body to the heat received by it in the same time.

$r =$ Reflectance = ratio of heat, reflected by the body to the total heat received by the body in the same time