Thermodynamics

Units

1 calorie: energy required to heat one gram of water by one Celsius degree

>1 Calorie = 1 kilocalorie (note the capital C, this is used mostly on food labels)

>1 Joule = 0.2390 calories or 1 calorie =

4.184 Joules

➤1 kilocalorie = 4.184 kilojoules



Thermo Cont.

Transferring Energy: Work and Heat

- Work is the energy used to move an object against a force. w = F x d (d = distance)
- Heat is the energy transferred from a hotter object to a colder one.







