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heatcapacity, specific heat, latent heat,  
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Relation to heat and internal energy. In thermodynamics, heat is energy in transfer to or from a thermodynamic system, by mechanisms other than thermodynamic work or transfer of matter. Heat refers to a quantity transferred between systems, not to a property of any one system, or 'contained' within it. On the other hand, internal energy is a property of a single system.

## ~~Thermal energy~~ — Wikipedia

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