Thermal Energy  March-31-16 9:11 AM  Kinetic Molecular Theory particles  Particles always move.  Molecular Theory more movement = more energy  More movement = more energy  March-31-16 9:11 AM  More movement = more energy  March-31-16 9:11 AM  More movement = more energy  More movement = more energy
-> Rotational (Signal)
Thermal Energy: total movement energy within an what has more thermal energy!  Cup of tea or ice berg way I more particles more energy  Temperature: a verage kinetic energy of the particles within an object.
Thermal Energy concentration
Heat! the transfer of thermal energy >> DE Q = symbol for heat Specific Heat
Capacity:  Capacity:  Capacity:  Capacity:  The amount of energy required to raise lkg of mass capacity  1°C.
Specific Heat Capacities   Units of Temperature

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Medium	Heat Capacities  C  Luian Tues		Temperature.
Water	4180 J/kg°C J/kg		Ooc -> water boils
Iron	<del>460</del> <del>390</del>	₩ K → Ke	lvin as cale
Lead	130	OK = -273	3 °C
		Absolute Zero	0°C=273K

A 530g cup of water cools from 37°C to 15°C. How much thermal energy did it lose? Extransfer of energy > Heat