

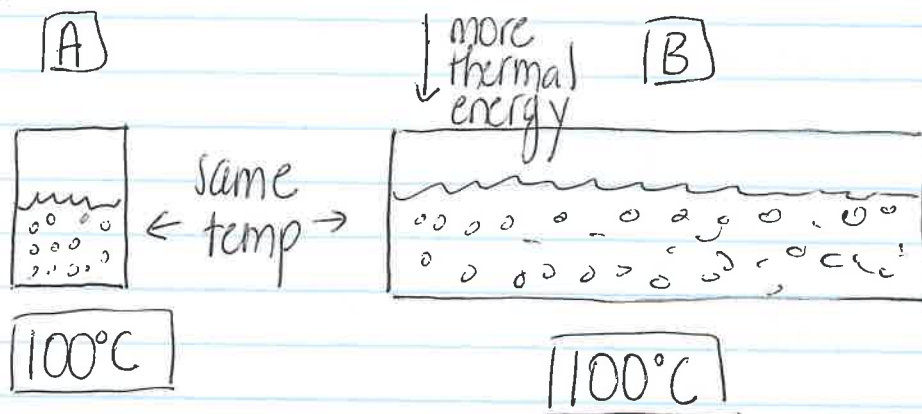
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Heat + Heat Transfer

Heat transfer - heat flows from systems with a higher temperature to a lower temperature until thermal equilibrium is reached.

The metric unit for energy (heat) is the Joule. Symbol = J

Thermal Energy is the sum of kinetic (moving) energy (temperature) plus potential (stored) energy of all the atoms in the object.



Temperature (KE) of A = B = 100°C = same

B has more stored energy (PE) because more energy can be stored in a greater amount of same material.

B has more thermal energy than A.