

# Temperature and Thermometer

## Thermal Physics

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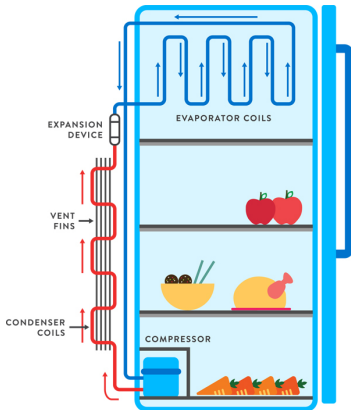


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# Where do we apply thermal physics?

Temperature and  
Thermometer

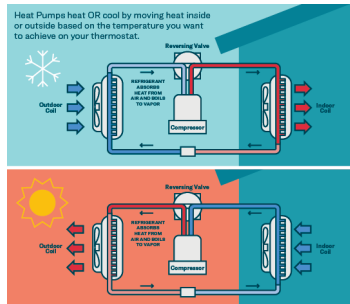
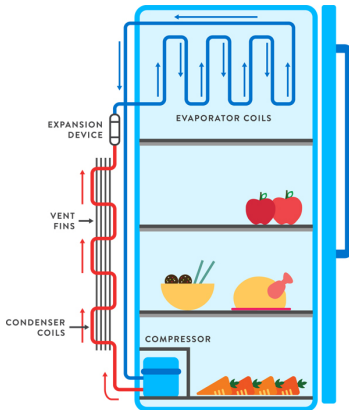
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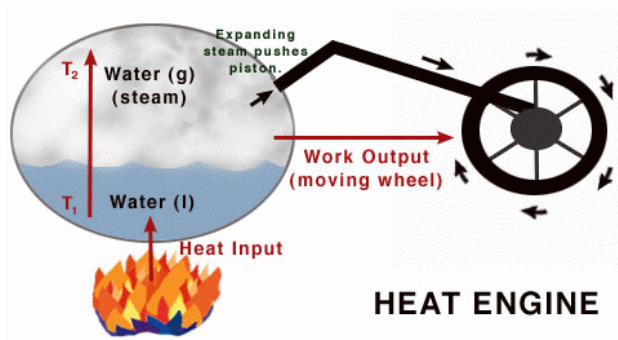
B.H.



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# Thermal Energy

Temperature and  
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## THERMAL ENERGY

**Thermal Energy:**  
The total of all kinetic and  
potential energy of the  
atoms in an object



When the Thermal Energy of a  
substance increases,  
its particles **move faster**



HEAT SOURCE

A change in Thermal  
energy can lead to a  
change in phase

LIQUID → GAS



HEAT SOURCE