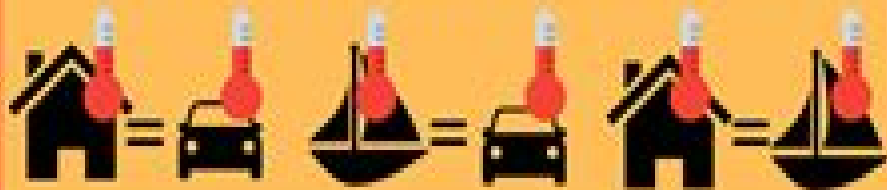


Laws of Thermodynamics

Zeroeth law

Temperature

Two systems in equilibrium with a third system are in thermal equilibrium with each other.



First law

Conservation of Energy

Energy can change forms, but is neither created nor destroyed.



Second law

Entropy of an isolated system always increases.



Third law

Entropy of a system approaches a constant as temperature approaches absolute zero.



Thermodynamics In Materials Science

Huangqi Zhang



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