

Definitions and Concepts for CAIE Physics A-level

Topic 14: Temperature

Absolute Temperature: A temperature value relative to absolute zero.

Absolute Zero: When the particles of a substance have zero kinetic energy, 0 K.

Kelvin: The unit of absolute temperature.

Specific Heat Capacity: The amount of energy required to increase the temperature of 1kg of a substance by 1 Kelvin.

Specific Latent Heat: The amount of energy required to change the state of 1kg of a substance without a change of temperature.

Thermal Equilibrium: A stable state in which there is no thermal heat transfer between two regions.

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