

CONDUCTION

Meaning: Conduction is the process of heat transfer through solid materials due to the movement of particles or free electrons without the overall movement of the material.

1. Conduction is the primary method by which heat is transferred through solid materials.
2. In metals, conduction occurs because of the movement of free electrons that carry thermal energy.
3. The efficiency of conduction can be affected by the material's temperature and its physical properties.
4. In everyday life, we experience conduction when touching a hot stove or a cold metal surface.
5. Scientists study conduction to better understand heat transfer in various engineering applications.

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