

Heat Transfer

Movement of heat energy from one place (or object) to another. It is *always* from a region of higher temperature to one of lower temperature.

Conduction

Heat transfer from particle to particle by direct contact.

Convection

Heat transfer by movement of a fluid (most commonly liquids and gases).

Radiation

Heat transfer across a distance by electromagnetic waves. This is often infrared light energy.

Density

The amount of material in a given space. It is calculated as mass per unit of volume. It can be thought of as how compactly packed the particles in the material are.