# HEATO Definition Strips

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| Instrument that measures the temperature of a sample of matter | (Thermometer) |
| Temperature when a liquid changes to a solid - $32^0$ F or $0^0$ C for water | (freezing point) |
| Temperature when a liquid changes to a gas - $212^0$ F or $100^0$ C for water | (boiling point) |
| Thermal energy transferred from an area of high temp. to an area of lower temp. | (Heat) |
| About $70^0$ F or $21^0$ C - a comfortable temperature | (Room Temperature) |
| $98.6^0$ F or $37^0$ C - the average temperature of a healthy human | (Body Temperature) |
| Material that prevents the transfer of heat from one object to another | (Insulator) |
| Material that easily transfers heat from one object to another | (Conductor) |
| Potential energy stored in the nucleus of an atom | (Nuclear Energy) |
| Amount of heat needed to raise the temperature of 1 g. of a substance by $1^0$ C | (Specific Heat) |
| Temperature at which a substance changes from a solid to a liquid | (Melting Point) |
| Energy that an object has due to its motion | (Kinetic Energy) |
| Measure of the average kinetic energy of the particles in a substance | (Temperature) |
| Energy that is stored and held in readiness | (Potential Energy) |
| Transfer of heat by the movement of currents within a fluid (air and liquids) | (Convection) |
| Transfer of energy by electromagnetic waves | (Radiation) |
| Increase in the space between the particles in an object, making it larger | (Expansion) |
| Decrease in the space between the particles in an object, making it smaller | (Contraction) |
| State of matter that has definite shape and takes up a definite volume | (Solid) |
| State of matter that has definite volume, but not a definite shape | (Liquid) |
| State of matter that does not have a definite shape or definite volume | (Gas) |
| Total energy of all the particles in an object | (Thermal Energy) |
| Energy of light and other forms of radiation | (Electromagnetic Energy) |
| Transfer of heat by direct contact between particles within a substance | (Conduction) |