







- Clausius' statement: It is impossible to construct a device that operates in a cycle and whose sole effect is to transfer heat from a cooler body to a hotter body.
- Kelvin-Planck statement: It is impossible to construct a device that operates in a cycle and produces no other effect than the performance of work and the exchange of heat from a single reservoir.
- Carnot's theorem: No engine operating between two reservoirs can be more efficient than a Carnot engine operating between the same two reservoirs.