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## Classical And Statistical Thermodynamics Solution

**the four laws of thermodynamics - stem2** - defined by the differential change of classical thermodynamics, namely  $ds = dq/t$ , are the same ideas. 1.1 the zeroth law if a body a is in thermal equilibrium with a body b, and body b is in thermal equilibrium with a body c, then a and c are also in thermal equilibrium. 1.2 the first law of thermodynamics is a statement of energy conservation. 2.1 the second law of thermodynamics states that the entropy of an isolated system never decreases. 3.1 the third law of thermodynamics states that the entropy of a perfect crystal is zero at absolute zero.

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