

12) Which statements are implied by 2nd Law of Thermo

- 2nd Law a) Entropy of an engine operating in a cycle never decreases
- 1st Law b) Increase in internal energy (U) of a system in any process is the sum of heat absorbed (Q) plus work done on the system ($-W$) $\Delta U = Q - W$

X c) Heat engine, operating in a cycle, that rejects no heat to the high temperature reservoir is impossible.
↳ should be "low" to be a correct statement

Answer: a only (A)