

Answer on question #58129, Physics / Molecular Physics — Thermodynamics

Question 17 It is NOT possible to completely convert
heat into internal energy
mechanical energy into heat
internal energy into mechanical energy
internal energy into heat

18 The second law of thermodynamics
is a statement of the law of conservation of energy
say that heat cannot be completely converted into mechanical energy
is the basis for the definition of temperature
is the basis for the definition of internal energy

Solution 17. It is NOT possible to completely convert internal energy into mechanical energy
18. The second law of thermodynamics say that heat cannot be completely converted into mechanical energy.