

# Thermal Physics Keywords

## First test:

temperature  
thermal equilibrium  
ideal gas  
Boltzmann's constant  
degree of freedom  
equipartition theorem  
heat  
work  
quasistatic  
first law of thermodynamics  
isothermal  
adiabatic  
heat capacity  
latent heat  
enthalpy  
microstate  
macrostate  
multiplicity  
paramagnet  
Einstein solid  
fundamental assumption  
second law of thermodynamics  
entropy

## Second test:

negative temperature  
mechanical equilibrium  
thermodynamic identity  
diffusive equilibrium  
chemical potential  
efficiency  
Carnot cycle  
coefficient of performance  
Helmholtz free energy  
Gibbs free energy  
phase transformation  
vapor pressure  
triple point  
critical point

## Third test:

Boltzmann factor  
partition function  
Maxwell speed distribution  
quantum volume  
Gibbs factor  
grand partition function  
boson  
fermion  
Fermi-Dirac distribution  
Bose-Einstein distribution  
degenerate electron gas  
Fermi energy  
Fermi temperature  
Planck spectrum  
blackbody radiation  
phonon