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energy eigenvalues are  
given by.  $\epsilon ( n ) = n h \nu$ ;  
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$\epsilon ( n ) = n h$   
 $\nu$ ;  $\quad$

$n=0, 1, 2, \dots \epsilon(n) =$

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$n$  or  $n = 0, 1, 2, \dots$

Obtain an asymptotic expression for the number  $\Omega$  of this system for a given number  $N$ .

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course is R. K. Pathria and Paul D. Beale, Statistical Mechanics, 3rd Ed., Pergamon, Oxford (2011). Other texts that will sometimes be mentioned and that you may want to consult include: K. Huang, Statistical Mechanics, 2nd Ed., Wiley, New York (1987); F. Reif, Funda-

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This is an excellent introduction to statistical mechanics. Pathria is a physicist and the topics covered have a definite physics flavor (Bose and Fermi systems), which chemical engineers or chemists may not find engaging.

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