

10. Molecular structure

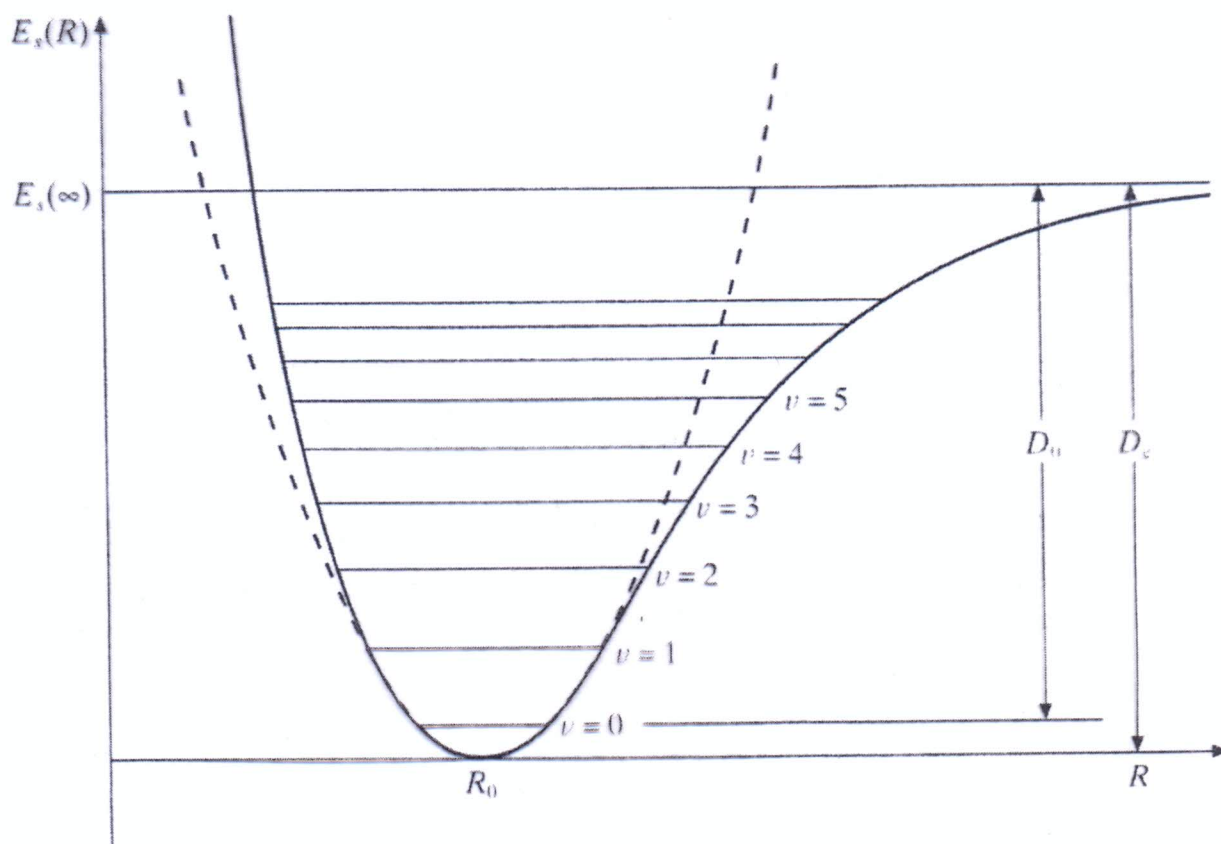


Figure 10.20 Vibrational energy levels of a diatomic molecule. The dashed line shows the parabolic approximation to the potential well, which is accurate in the region close to  $R_0$ , the equilibrium separation.