

The Franck-Condon Principle: Vibrational Wavefunction Overlap

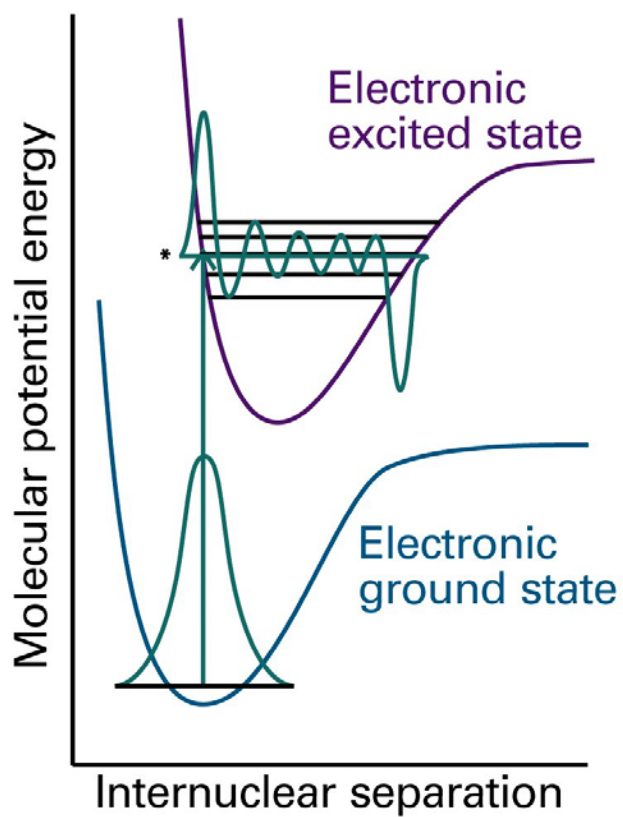


Figure 14-8
Atkins Physical Chemistry, Eighth Edition
© 2006 Peter Atkins and Julio de Paula

Photoelectron/Photoionization Spectroscopy

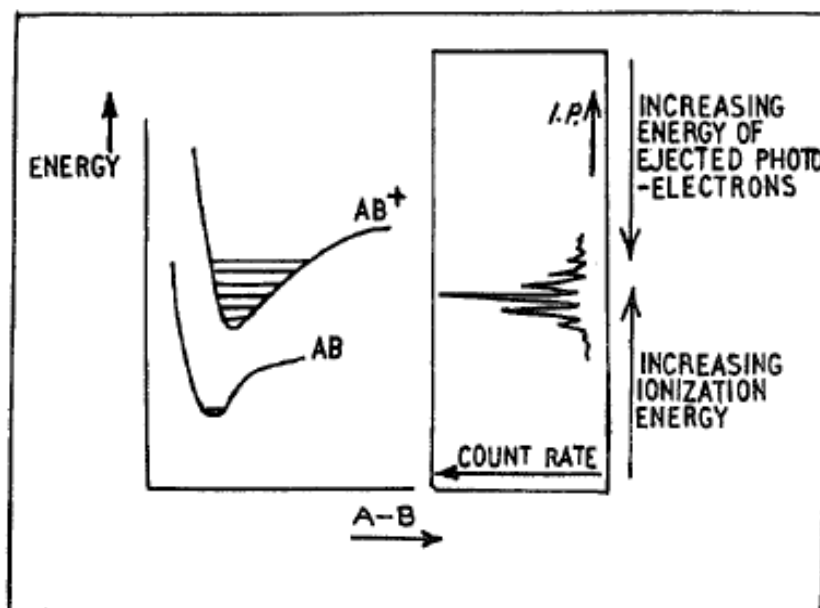


Figure 1. Production of ions in excited vibrational levels causing the presence of fine structure in PE spectral bands.

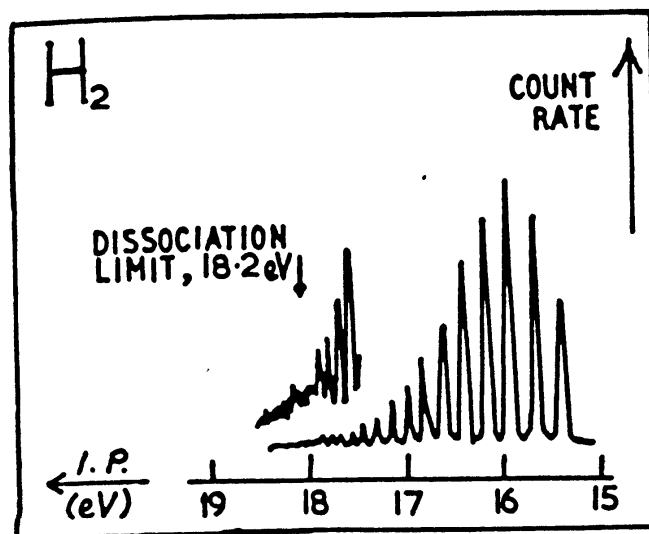


Figure 8. The He 584-Å PE spectrum of H₂, showing the formation of H₂⁺ ions in vibrational levels up to the dissociation limit (after Turner, see text).