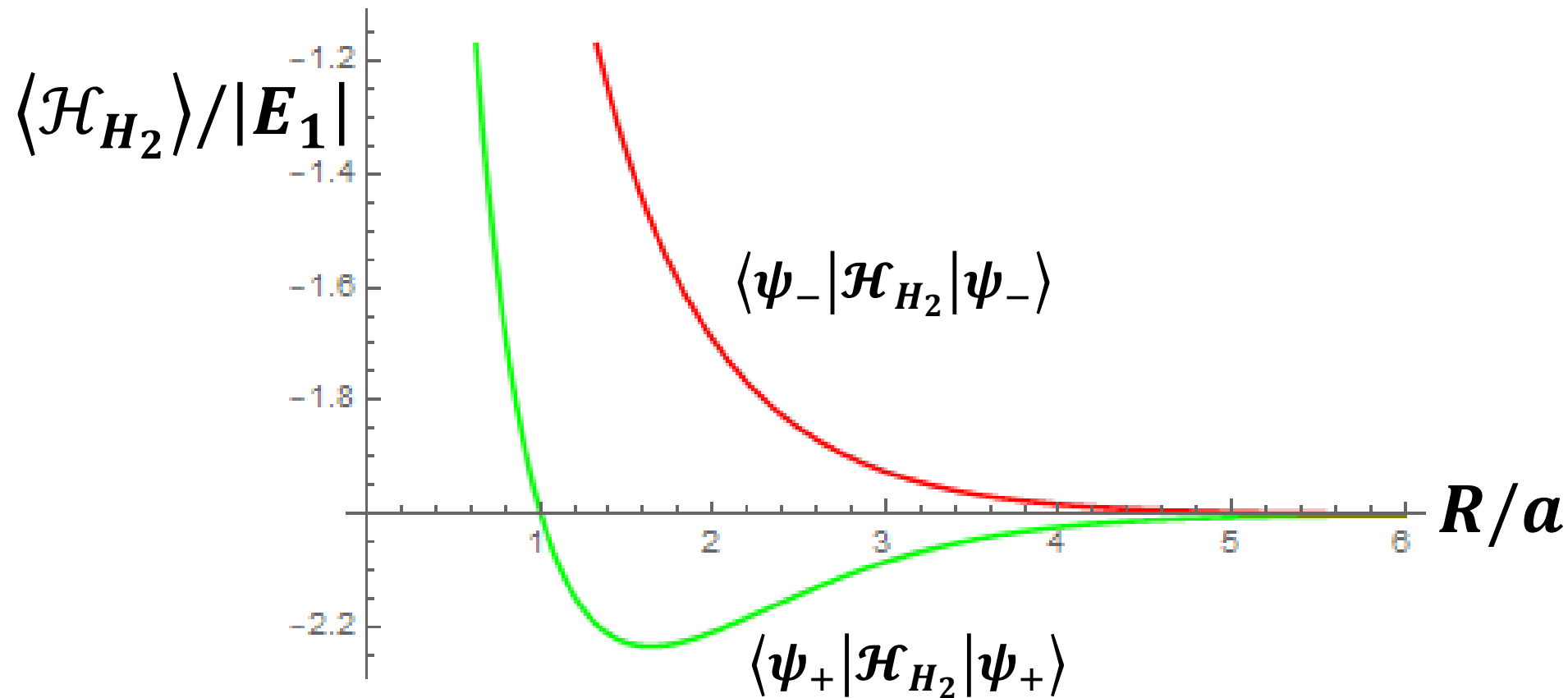


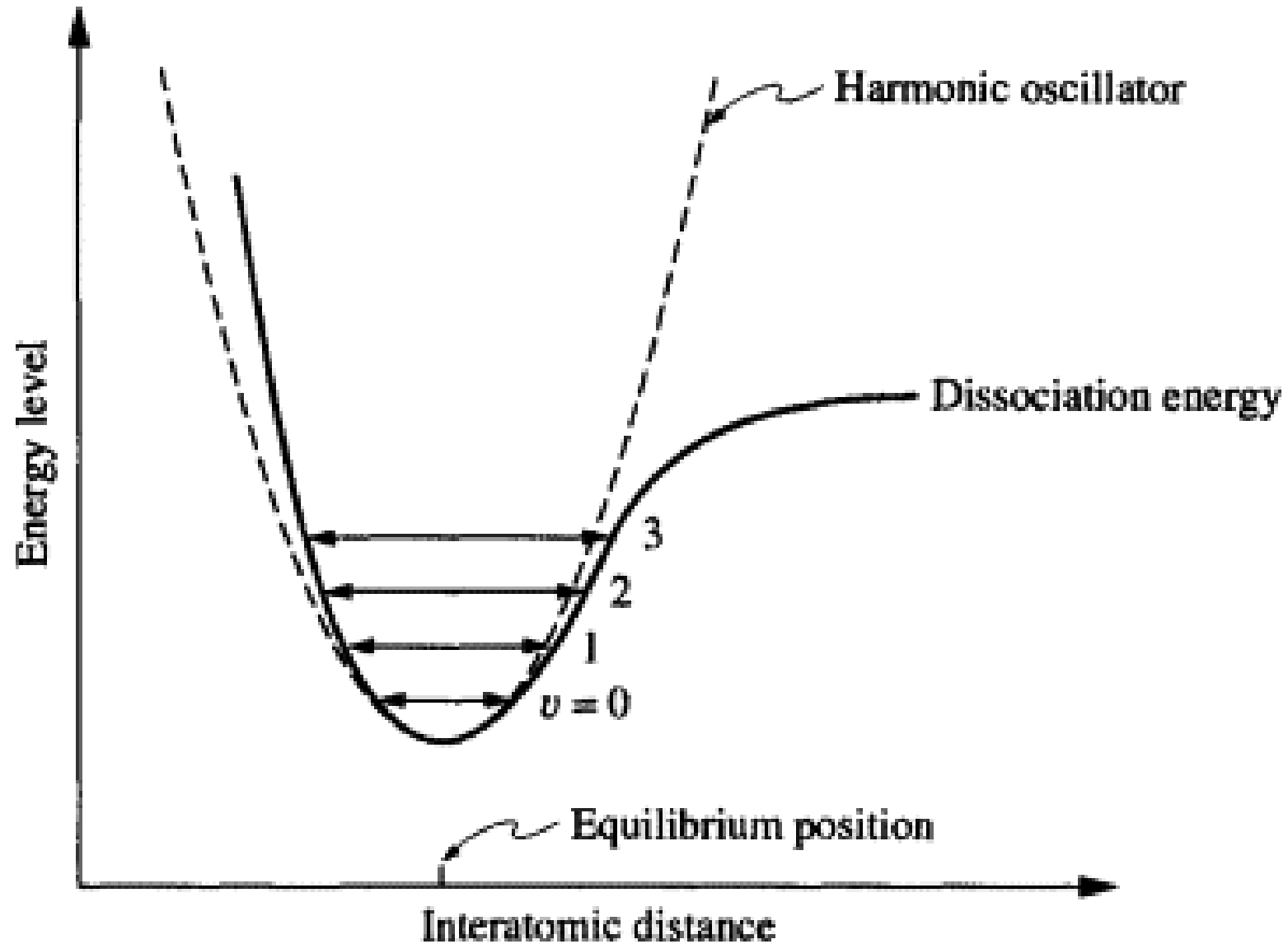
H₂ Molecule Total Energy vs. Proton Separation R



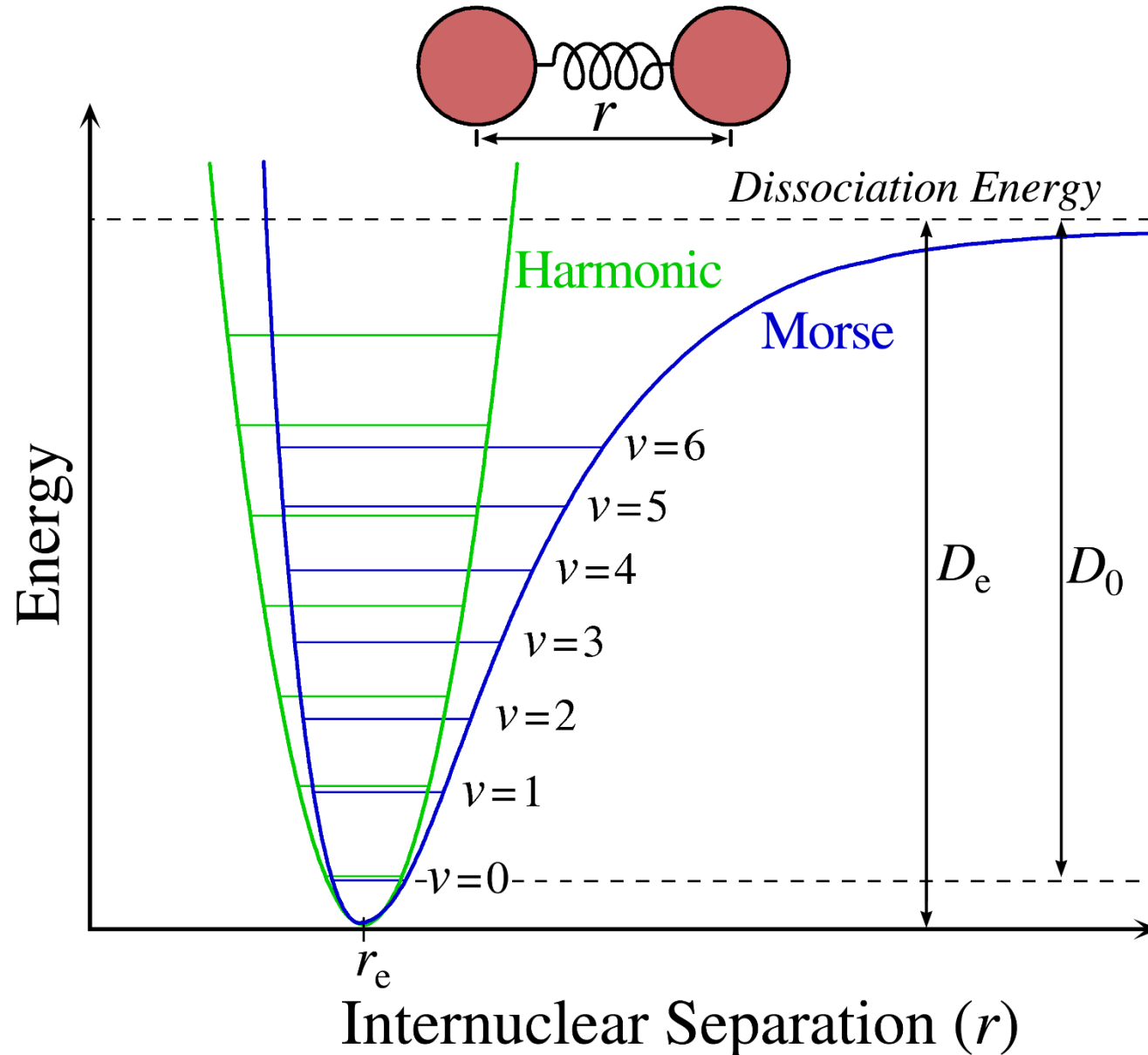
$$E_1 = -13.6 \text{ eV}$$

$$a = \text{Bohr radius} = 0.529 \text{ \AA}$$

Vibrational Energy Levels of Diatomic Molecule



Vibrational Energy Levels of Diatomic Molecule



Ro-Vibrational Energy Levels of Diatomic Molecule

