

$$R_\infty = 109737 \text{ cm}^{-1} = \frac{1}{\lambda_\infty} \quad ; \quad \text{Ry} = hc R_\infty = \frac{hc}{\lambda_\infty} = \hbar c k$$

$$\text{Ry} = \frac{1}{2} \text{ a.u.} = 13.6057 \text{ eV} = 2.17987 \times 10^{-18} \text{ joule}$$

$$1\text{eV} \iff 8065.5 \text{ cm}^{-1}$$