

Exam II

Name _____

$$\begin{aligned}\text{Planck constant} &= 6.63 \times 10^{-27} \text{ erg}\cdot\text{sec} \\ &= 6.63 \times 10^{-34} \text{ J}\cdot\text{sec}\end{aligned}$$

$$\begin{aligned}\text{Speed of light} &= 3.00 \times 10^8 \text{ m/sec} \\ &= 3.00 \times 10^{10} \text{ cm/sec}\end{aligned}$$

$$\text{Rydberg constant, } R = 109678 \text{ cm}^{-1}$$

$$\text{Constant, } R_H = 2.179 \times 10^{-18} \text{ J}$$

$$1 \text{ meter} = 10^9 \text{ nm}$$

$$\begin{aligned}\text{Joule} &= \text{kg}\cdot\text{m}^2/\text{sec}^2 \\ \text{erg} &= \text{g}\cdot\text{cm}^2/\text{sec}^2\end{aligned}$$