$$\text{Energy of photon } E = h\,\nu = h\,\frac{c}{\lambda}$$

$$E = \frac{1240\text{ eV nm}}{\lambda} \qquad \Longrightarrow \qquad \lambda = \frac{1240\text{ eV nm}}{E}$$

$$E_n = -\frac{13.6}{n^2}\text{ electronVolts}$$