Radius of any orbit in H $r_n = n^2 a_0 = n^2 (0.0529 \text{ nm})$

$$oE_{n} = -\frac{keC^{2}}{2a_{o}} \left(\frac{1}{n^{2}}\right)$$

$$oE_{n} = -\frac{13.606eV}{n^{2}}$$





