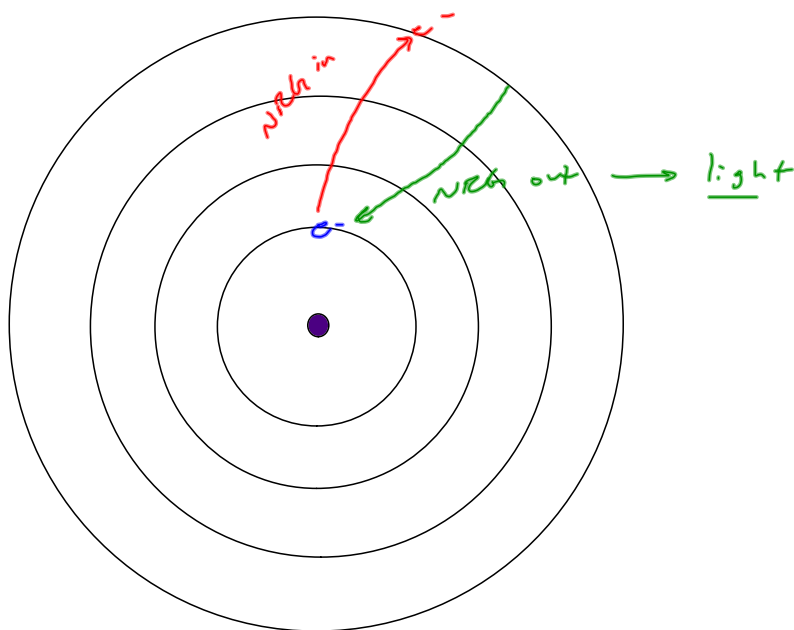
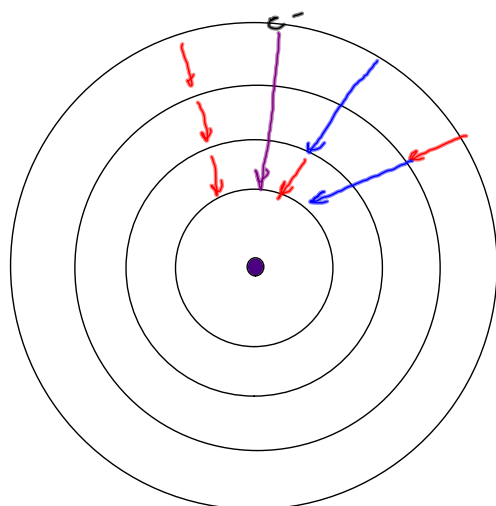


Bohr's Answer

Potential NRG of electrons is quantized



Sep 21-7:03 AM



Since only certain transitions
are possible \rightarrow only certain
colours

Sep 21-7:03 AM

$$E = -k \left(\frac{1}{r} - \frac{1}{r_2} \right)$$

$$\frac{1}{r} = k \left(\frac{1}{r} - \frac{1}{r_2} \right)$$


$$E = -k \left(\frac{1}{n_1^2} - \frac{1}{n_2^2} \right)$$

ring to ring from

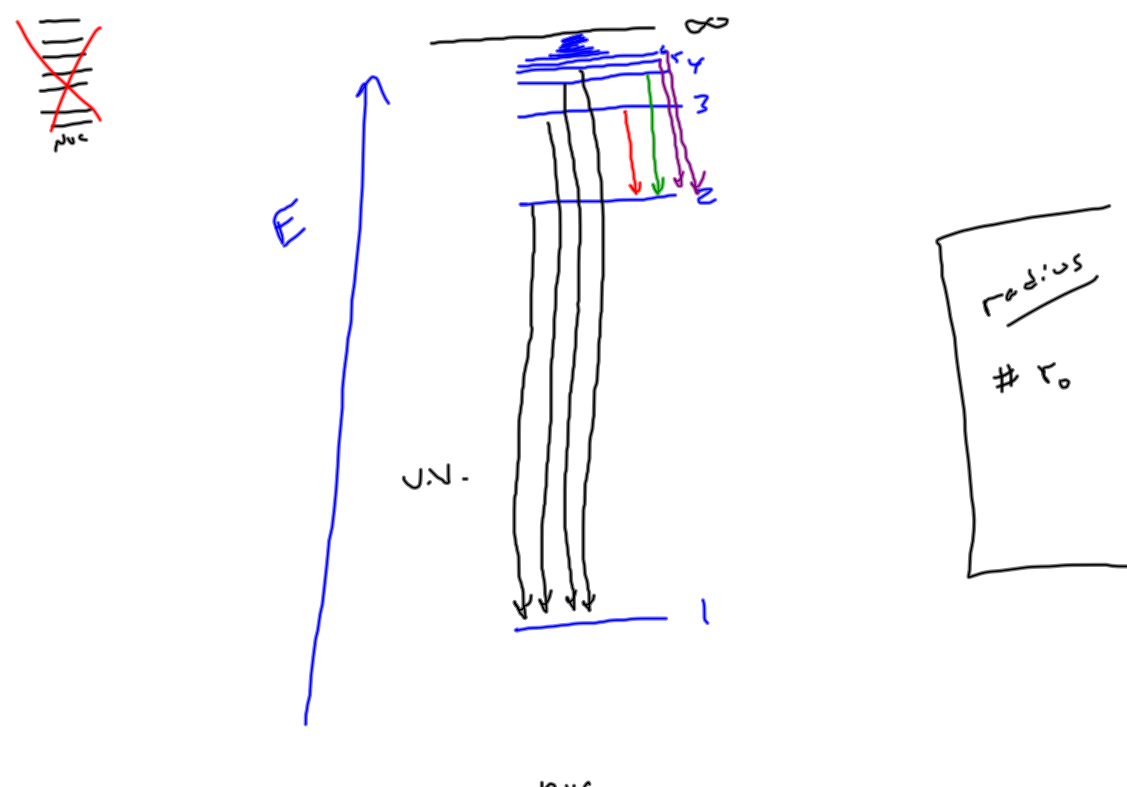
if e^- from ∞ far away ...

$n_2 = \infty$ $\frac{1}{n_2^2} = 0$

$$E = -k \left(\frac{1}{n_1^2} \right)$$



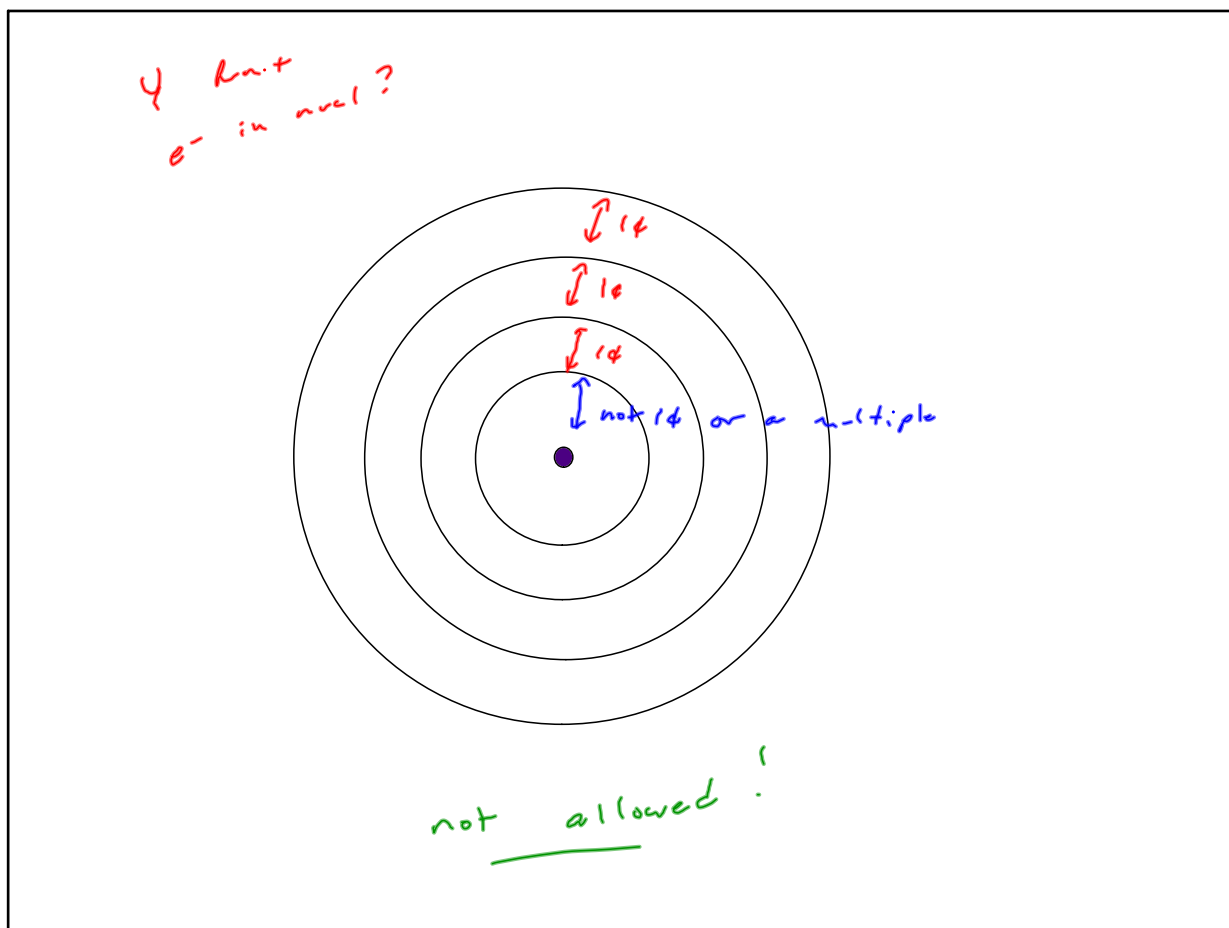
Oct 1-9:44 AM



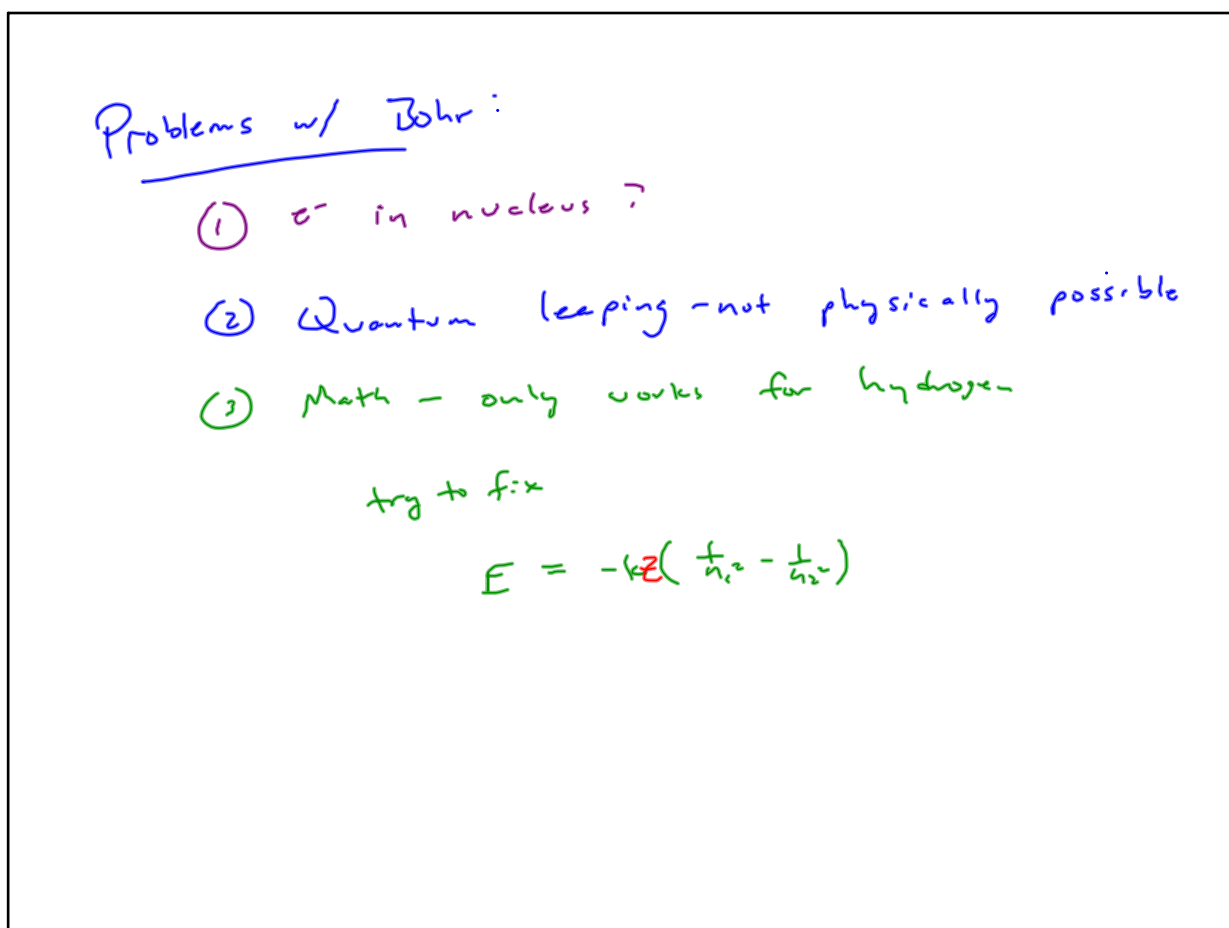
nuc

radius
 # r_0

Oct 1-9:49 AM



Oct 1-10:02 AM



Oct 1-10:16 AM