

(HYDROGEN)

ELECTRON GOING FROM $n=1$ TO $n=2$ CALC. ΔE

$$\Delta E = E_{\text{final}} - E_{\text{init}}$$

$$= -\frac{13.6 \text{ eV}}{2^2} - \left(-\frac{13.6 \text{ eV}}{1^2}\right)$$

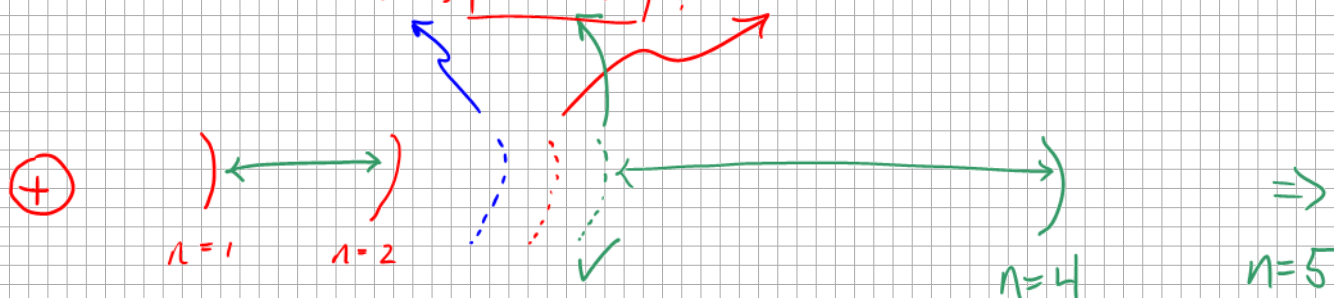
$$= -3.4 \text{ eV} + 13.6 \text{ eV}$$

$$= 10.2 \text{ eV}$$

(BLUE LIGHT $\sim 3.1 \text{ eV}$
RED LIGHT $\sim 1.6 \text{ eV}$)

SLIDE 29

DO RADII CONVERGE, DIVERGE, OR EQ. SPACED



DO ENERGIES CONVERGE, DIV., OR EQ. SPACED?

