nm = 10^{-9} m

545 nm

545 EE -9

$545 * 10^{-9}$ m

$C = f \lambda$

λ: m

f: sec^{-1} or 1/sec or Hz Hertz

Oct 18-7:44 AM

(6.17) 532nm f = ? color = ?

Find $\frac{1}{sec}$

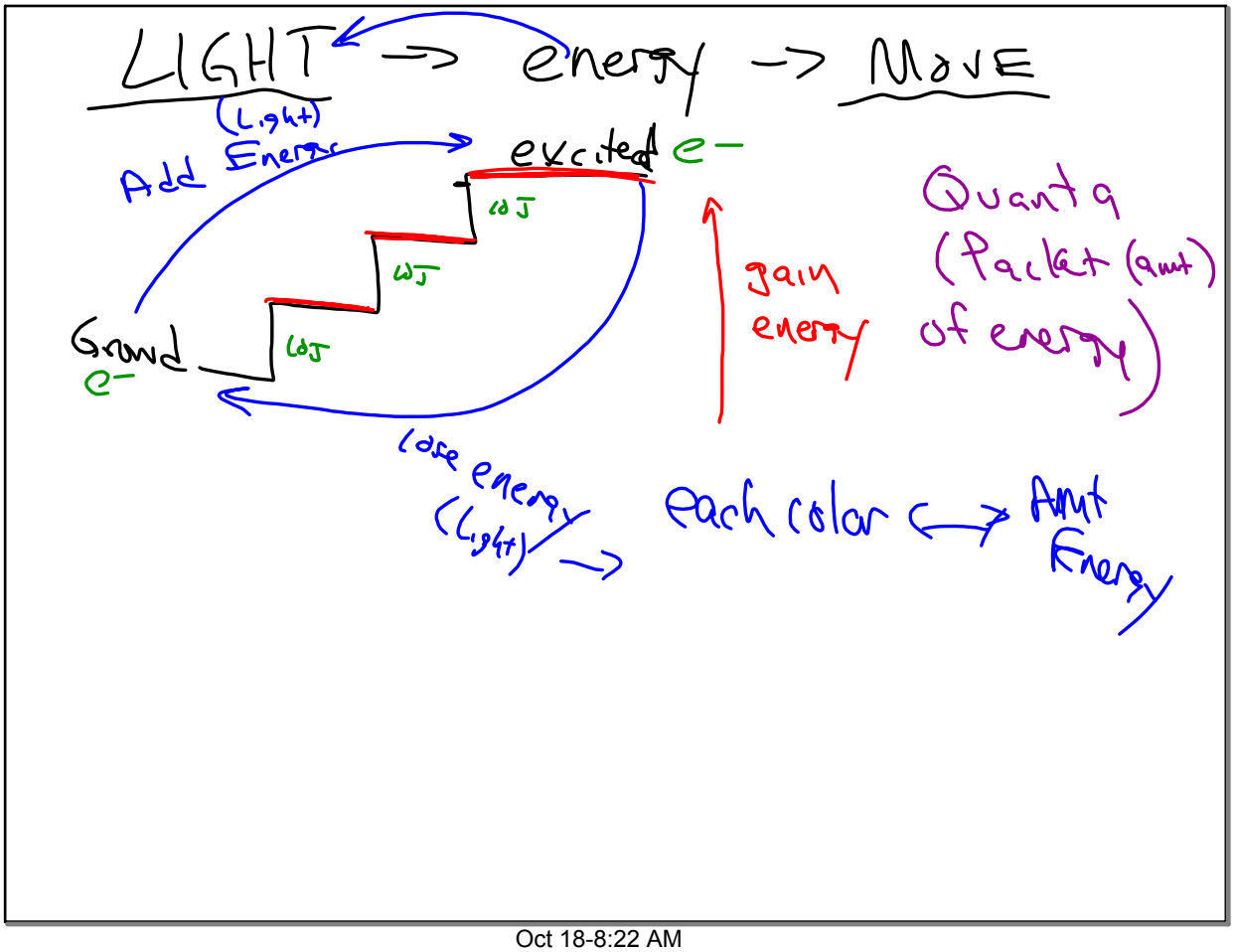
$C = f \lambda$

$C = \frac{3*10^8 m}{sec}$

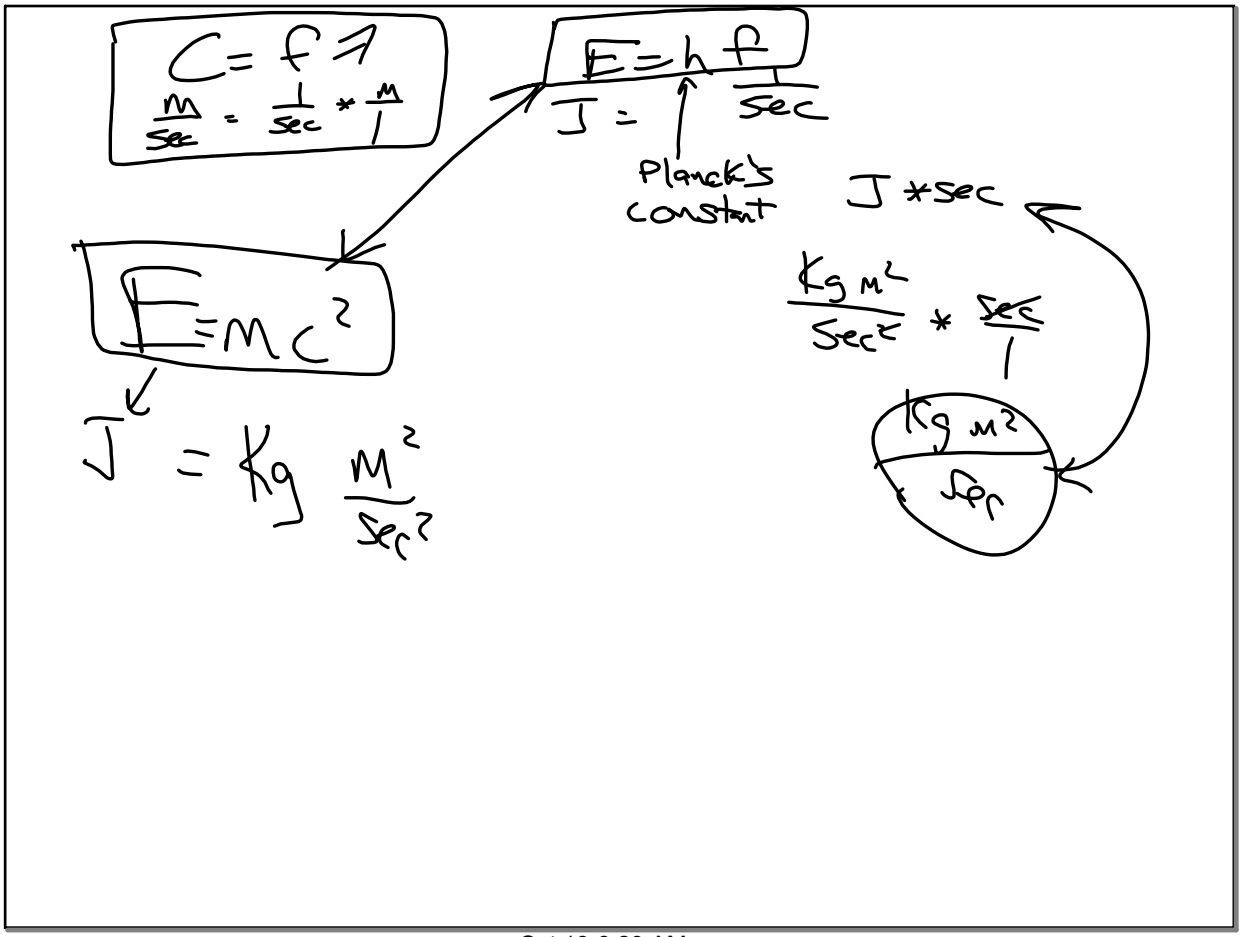
$\frac{3*10^8 m}{sec} = f(532*10^{-9} m)$

$\frac{3*10^8 m}{sec} \Big| \frac{}{532*10^{-9} m} =$

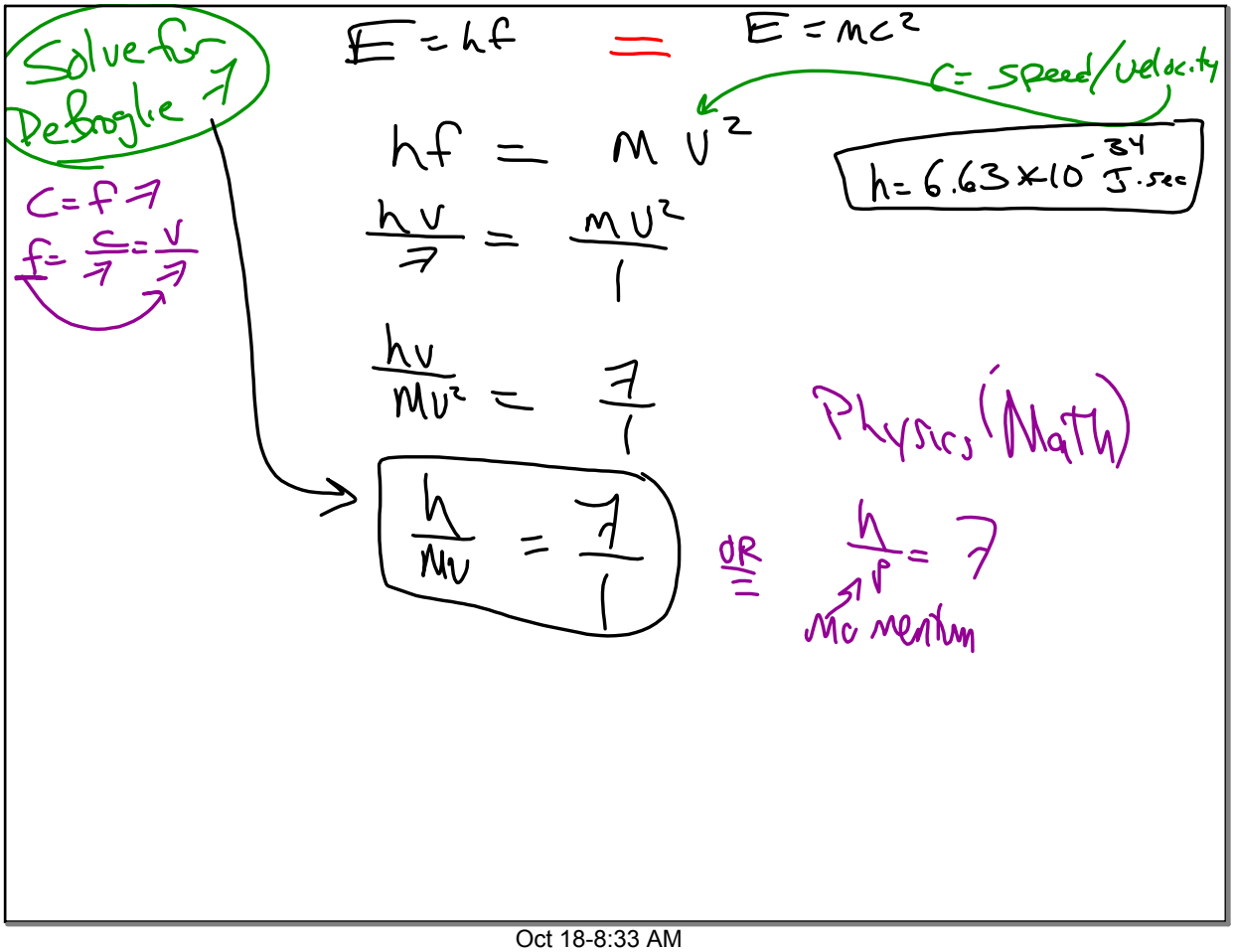
Oct 18-8:19 AM



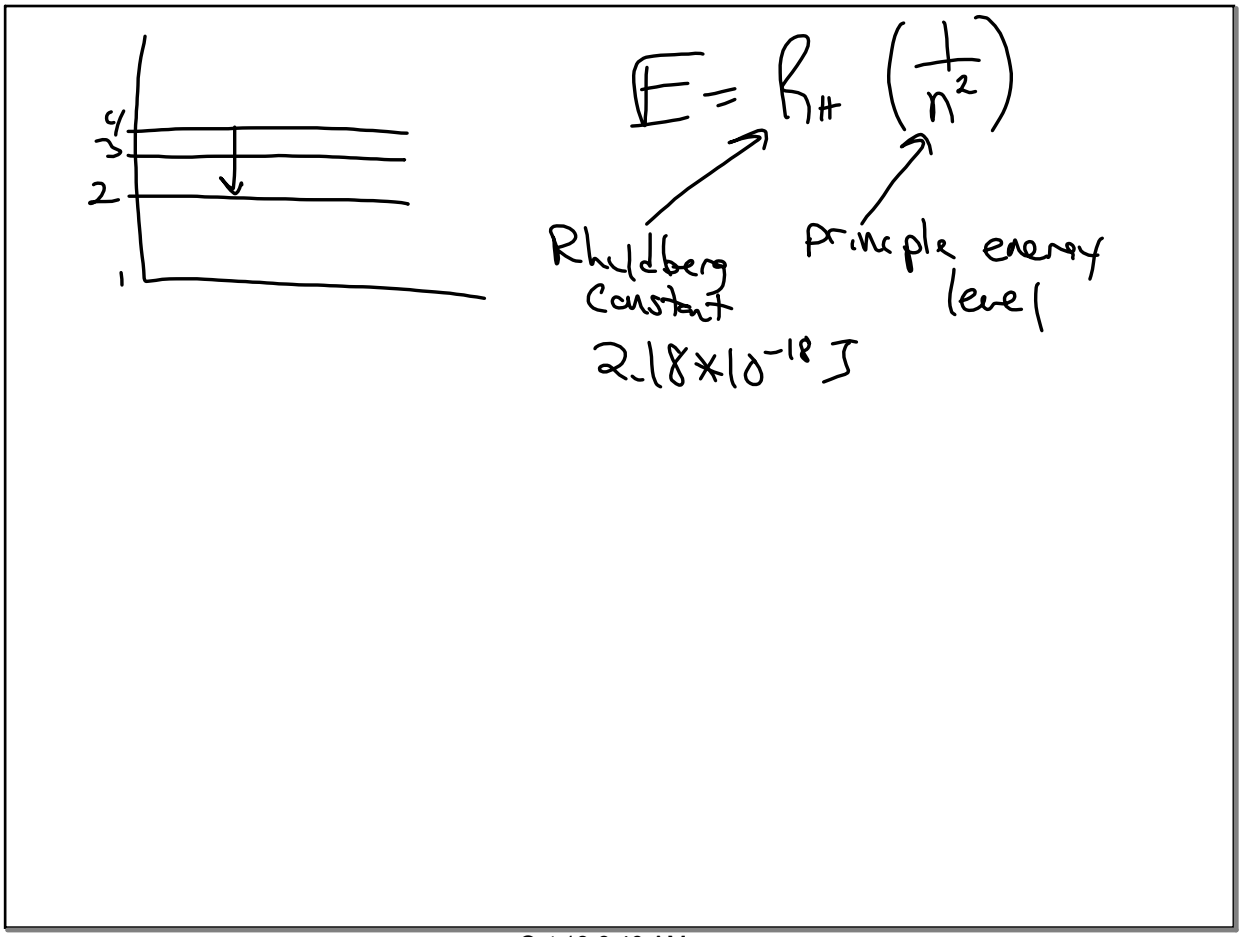
Oct 18-8:22 AM



Oct 18-8:29 AM



Oct 18-8:33 AM



Oct 18-8:40 AM

$$\Delta E = R_H \left(\frac{1}{n_i^2} - \frac{1}{n_f^2} \right)$$

initial final

Change in energy between 2 energy levels

Oct 18-8:45 AM

6/34 + 41

Oct 18-8:47 AM