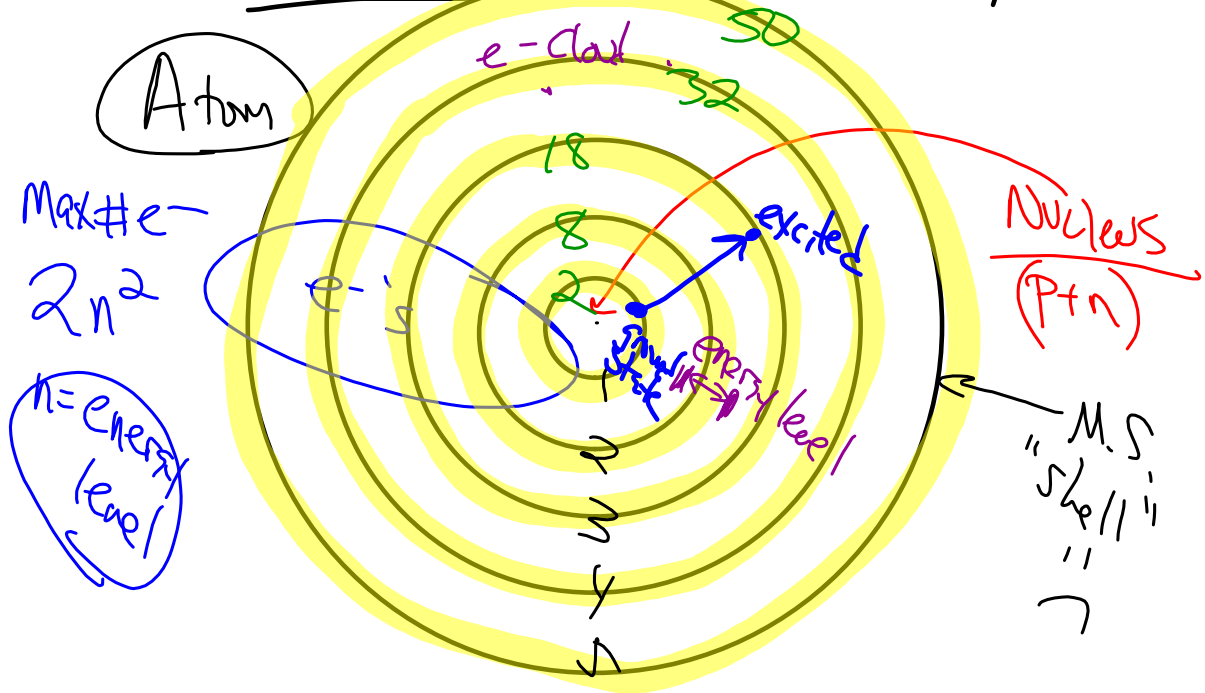
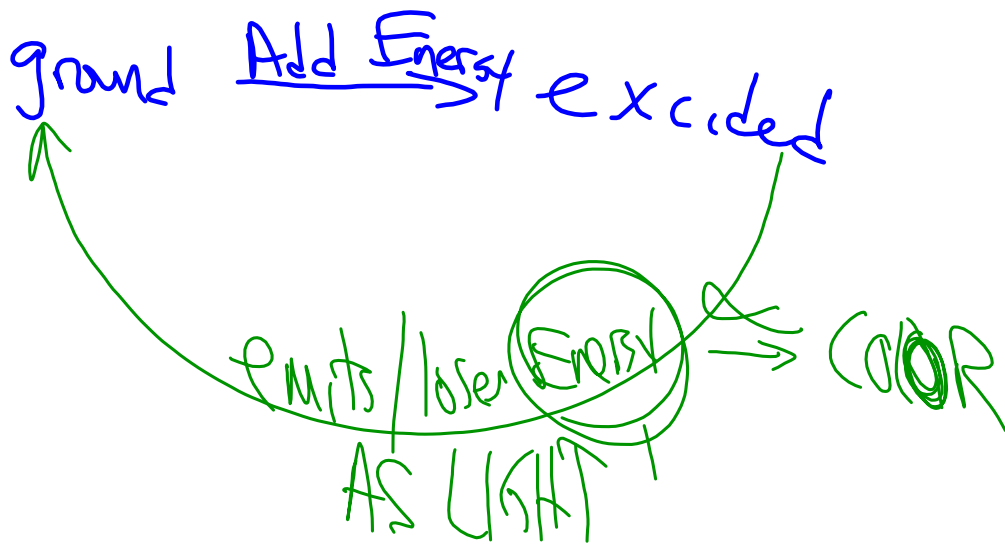


Chap 6+7 - Atoms + e's, PT Trends



Oct 26-7:42 AM

Fill e⁻ nucleus → valence



Oct 26-7:59 AM

Measure Light

$J = \frac{kg \cdot m^2}{sec^2}$

Energy
Waves
Particles
have MASS \Rightarrow Matter

WAVE

(wavelength) Meters

1 sec

2 waves/sec

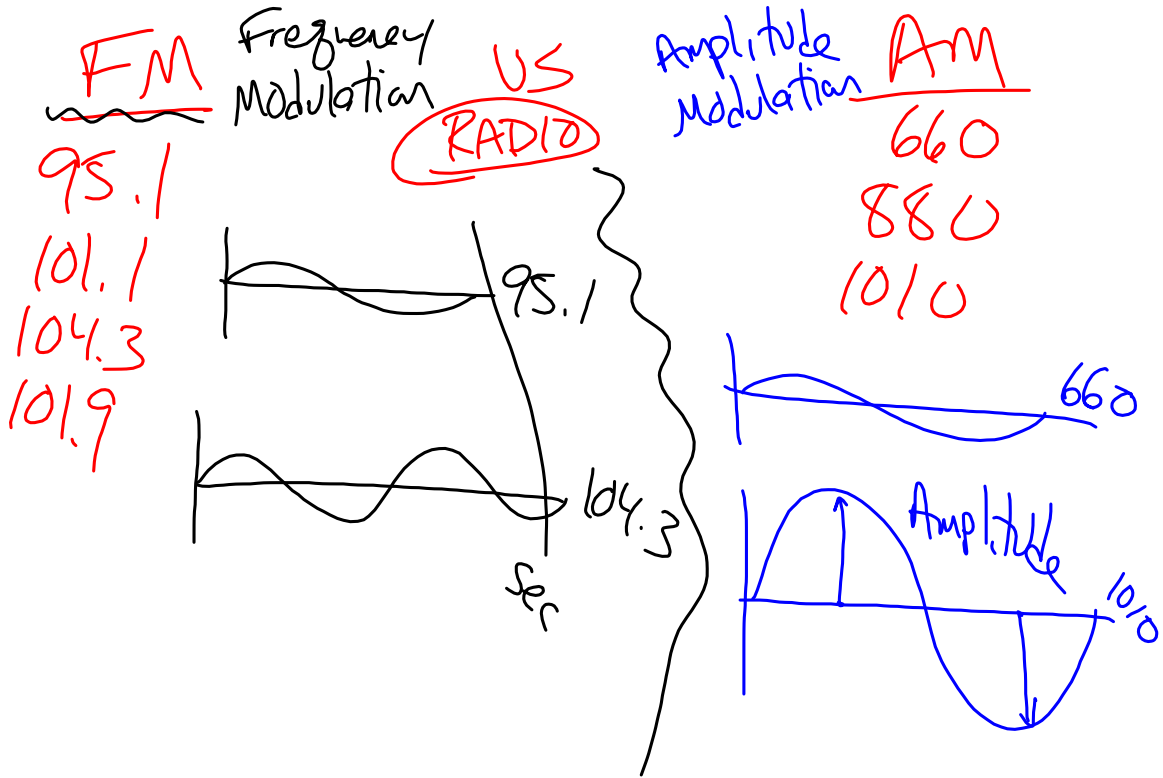
Oct 26-8:08 AM

Frequency \rightarrow how often.

$\frac{\# \text{times}}{\text{Sec}}$ (per second)

$\frac{1}{\text{Sec}}$ or Sec^{-1}

Oct 26-8:19 AM



Oct 26-8:21 AM

$$c = f \lambda$$

↑
Speed of light
 3×10^8 m/sec

$6 / (15 + 17)$

Oct 26-8:25 AM