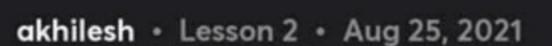
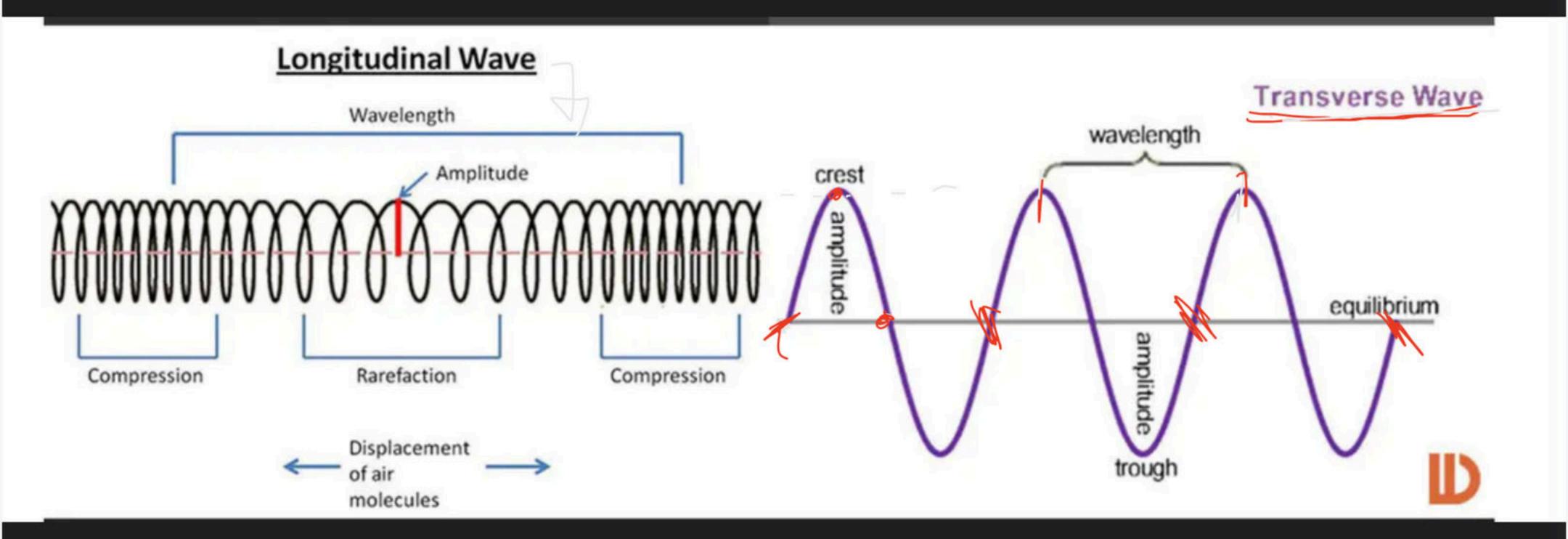


Course on Atomic Structure for Class XI





Waves: -> Used to transfer energy without
the net transfer of matter Longitudinal Le bransverse Soundware E.g. String wave hater waves El ectro magnetic



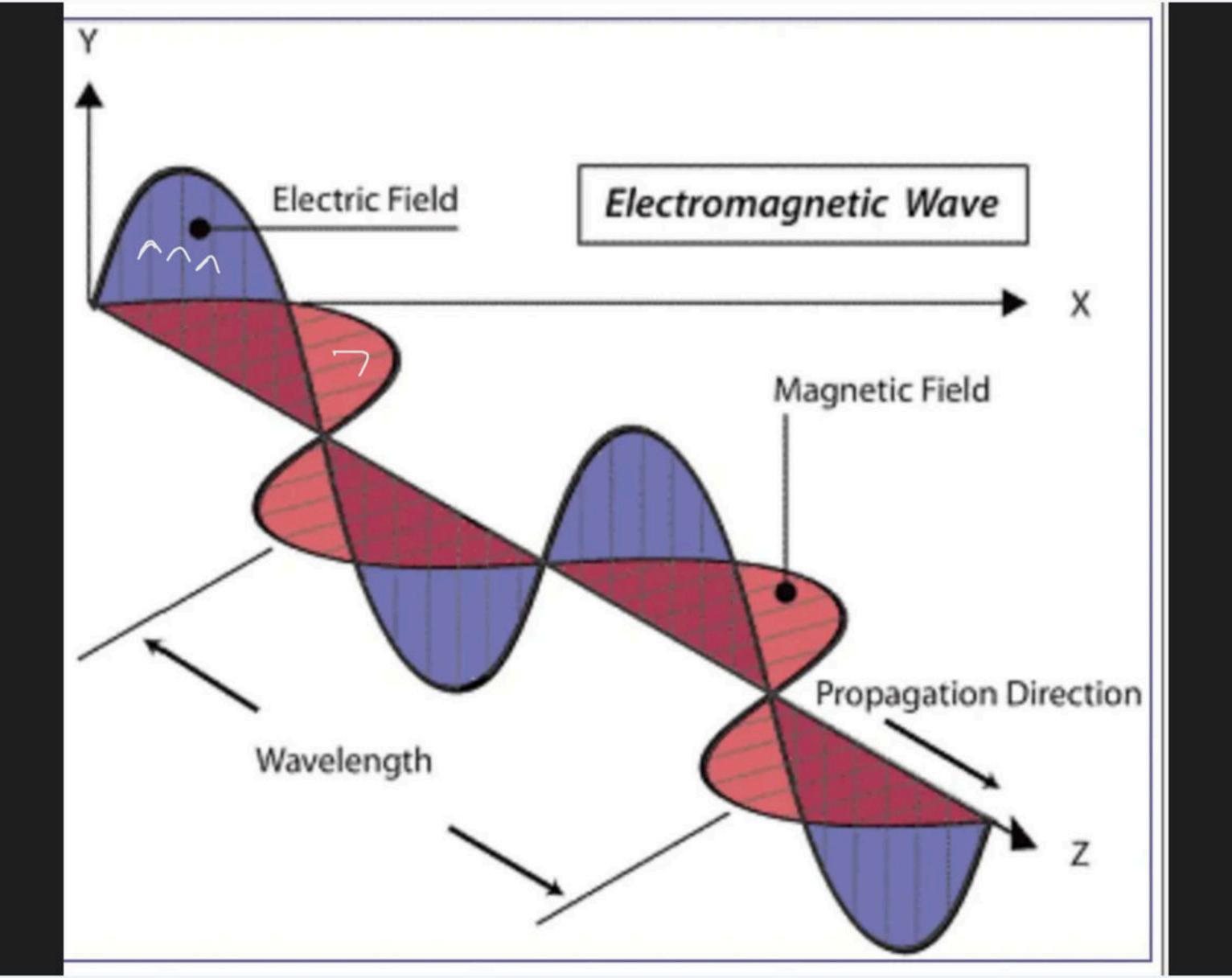
1) Amplitude!- maximum displacement from mean position. 2) Wavelength (1) Distance Let two heavest dest or tough

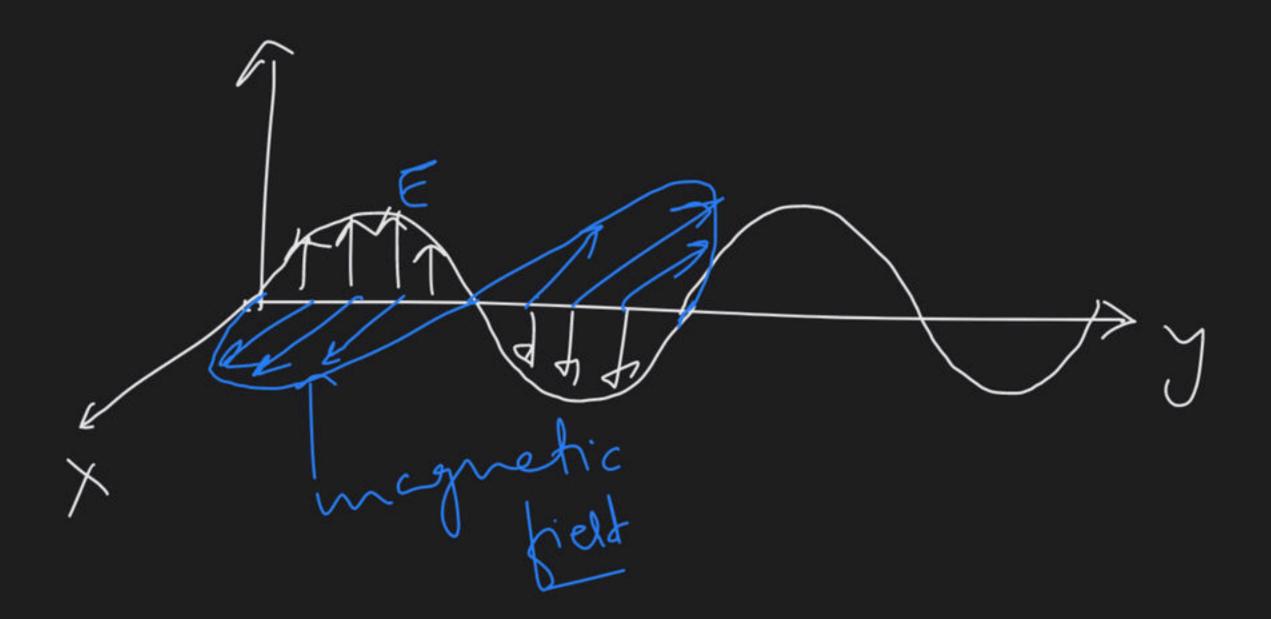
No. of Os Cillation made by a Frequency (2):-> particle in one second. Speed of wave = V distance travelled by = U
worve in one second -> 1 oscillation In case of hight  $v = \frac{c}{\lambda}$   $c = 3 \times 10^8 \text{ m/see}$ 

Wave number (V) = No of waves in whit distance Electromagnetic radiation (wave) or light

It consist of oscillating electric and magnetic which

are far to each other and far to the propogation of wave.



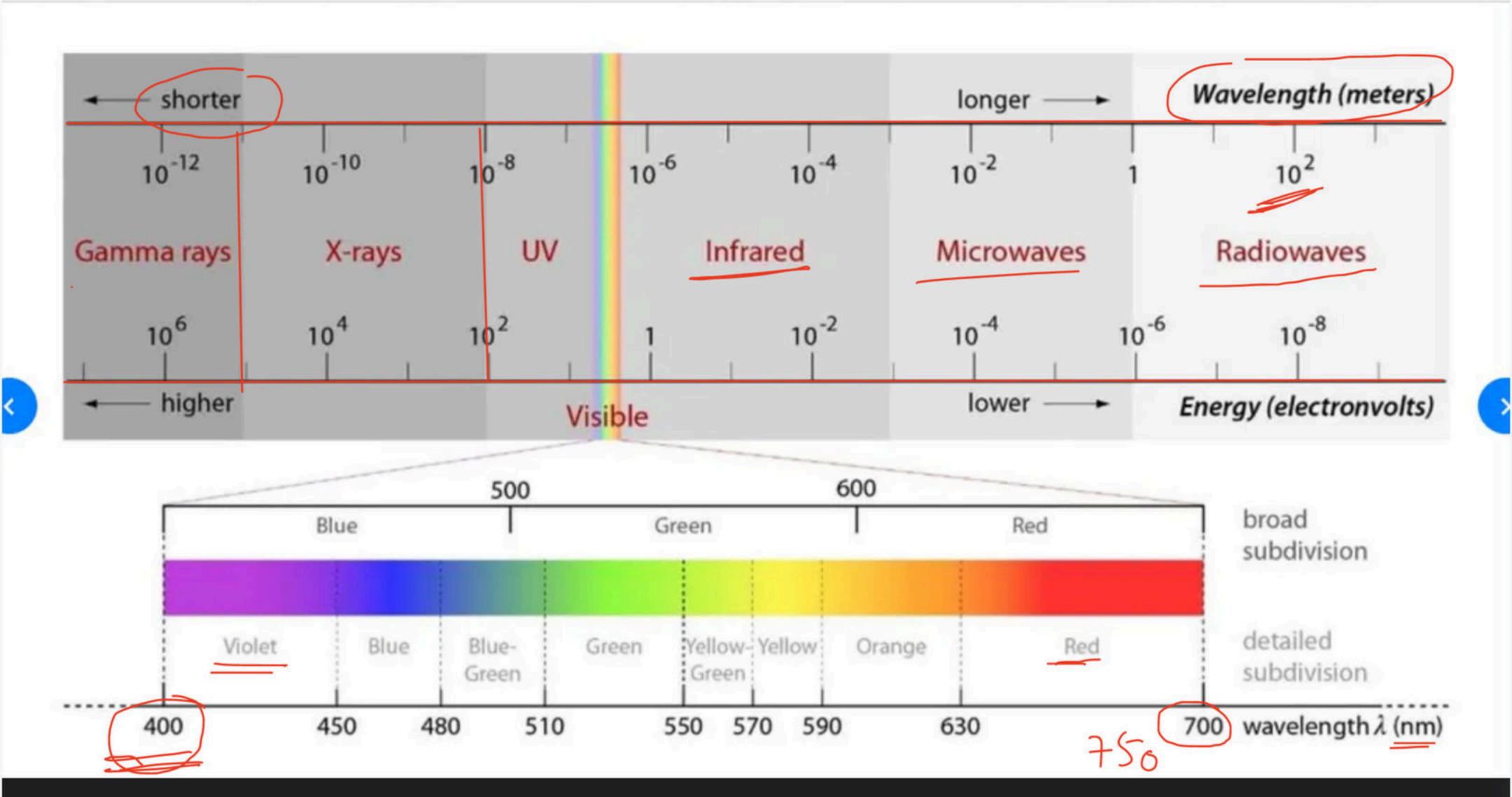


Electromagnetic spectrum: >>

Range of visible spectrum

400 (hm)

V 1 3 G Y 6 R



constructive Interference destructive Reflection Refretion Z= 1 + P5 RT

2>1 republion/ Size (five) 7 Z = 1 + Pb RT

