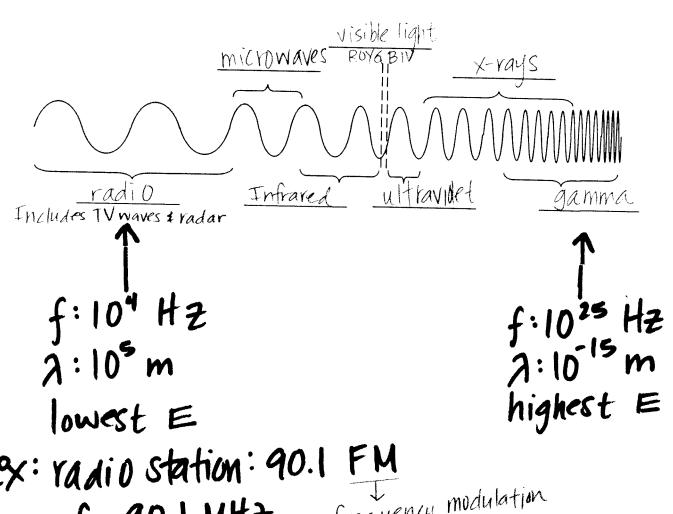
Electromagnétic spectrum   HW: Light subben
A.K.A. Light
FIL WAR
· Consist of changing electric & magnetic fields  moving through space at 3×108 m/s (video 1301)  specal of light  and with realize a medium
· produced by vibrating charged partiets
· AO Mot regions
- ALL OCEVIIM
· range of frequencies of E&H waves
· as f 1, 2 \( \tau \)
· as f 1, Energy 1
· as f T, Energy   ex: visible light spectrum from low f to high!
ROYGBIX
10 highest f
longest > highest E

## · the entire spectrum:



ex: radio station: 90.1 FM

f = 90.1 MHZ frequency modulation

= 90.1 × 106 HZ

Px: radio station: 1070 AM

f: 1070 KHZ amplitude modulation

= 1070 x103 HZ

Tuning to a radio station

Sets the fat which resonance will occur in the antennae

you may watch last half of video 1301 to learn interesting facts about the other types of electromagnetic waves.