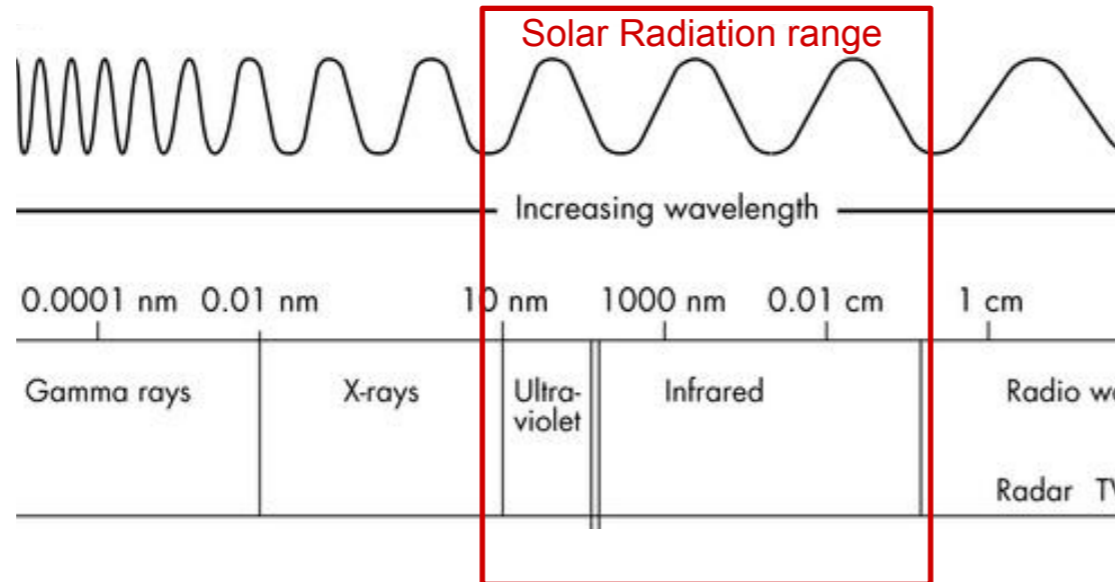
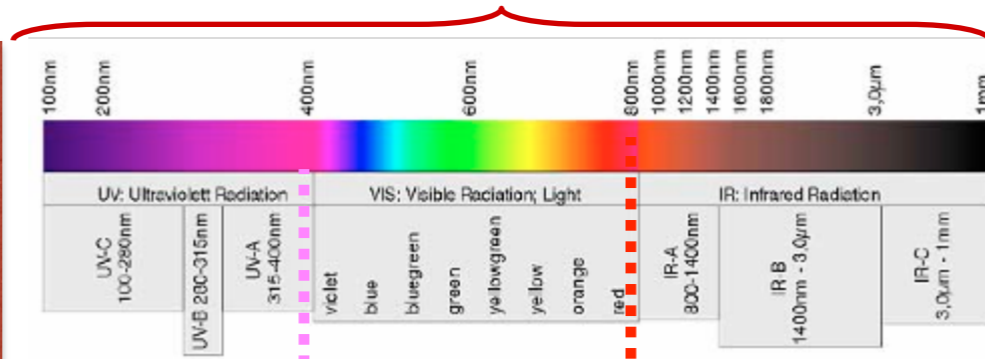


# ELECTROMAGNETIC SPECTRA



The UV radiation, due to its wavelength range, interacts at the molecular level with all organic materials (our skin included also) damaging or degrading them



The feeling of heat in our skin is due to the absorption of the radiation between 1450 - 1900 nm range

**IR Radiation range**  
 NIR (780-1400 nm) + MIR (1400-2500 nm)  
 Contains ±45% of the Solar Energy

**Visible Radiation range**  
 (380-780 nm)  
 Contains ±54% of the Solar Energy

**UV Radiation range**  
 (200-380 nm)  
 Contains ±1% of the Solar Energy

