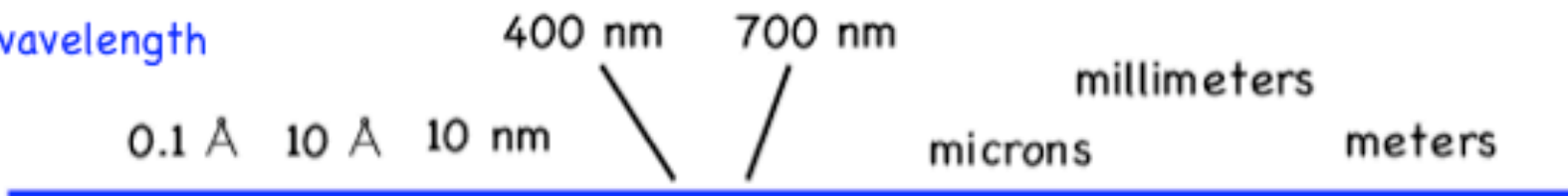


wavelength



gamma rays

x-rays

UV

Visible light

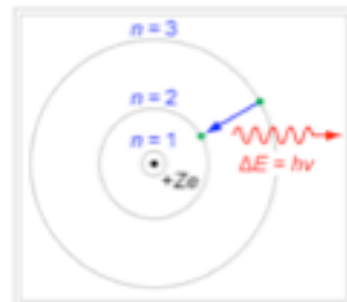
IR

microwave

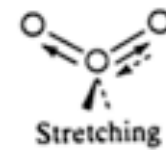
radio wave

photons emitted in nuclear reactions.

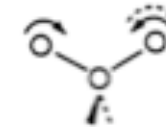
electronic transitions



vibrational transitions



Stretching



In-plane bending

rotational transitions of molecules