

The relationship between heat transfer by radiation and electromagnetic radiation.

### The microscopic world | 0.1

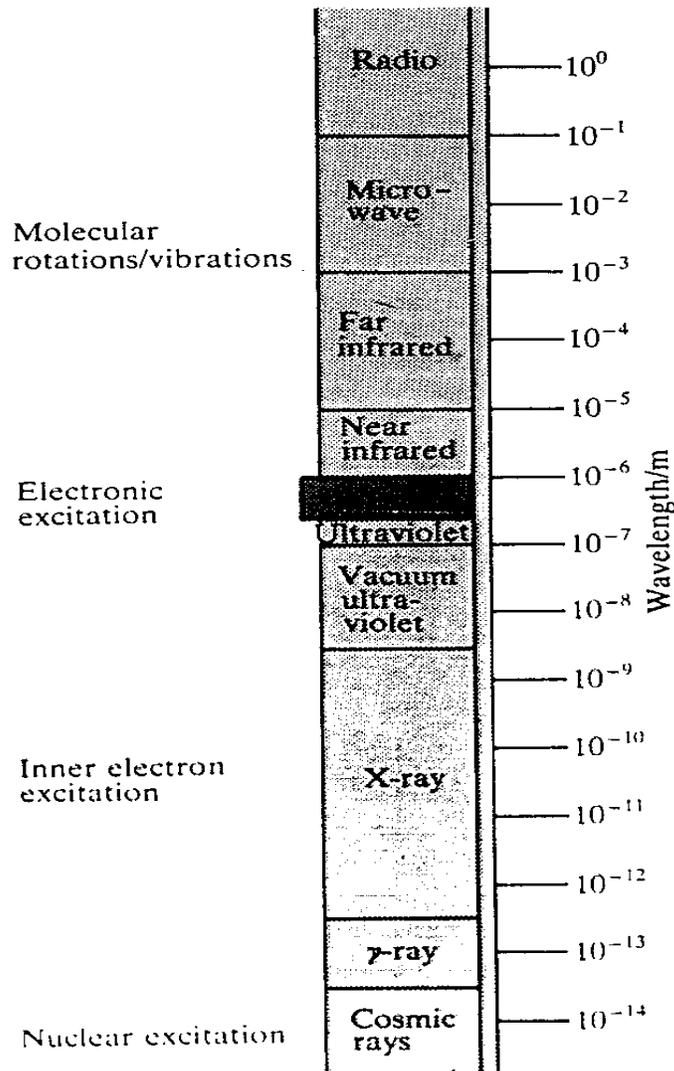


Fig. 0.6. The classification of different regions of the electromagnetic spectrum according to the wavelength of the radiation. Note that short

Figure taken from "Physical Chemistry", P.W. Atkins, 3<sup>rd</sup> Ed., Freeman and Co., NY, 1986, p 5.

Geankoplis states on page 281, "The electromagnetic radiation produced solely because of the temperature of the emitter is called thermal radiation and exists between wavelengths of  $10^{-7}$  and  $10^{-4}$  m.