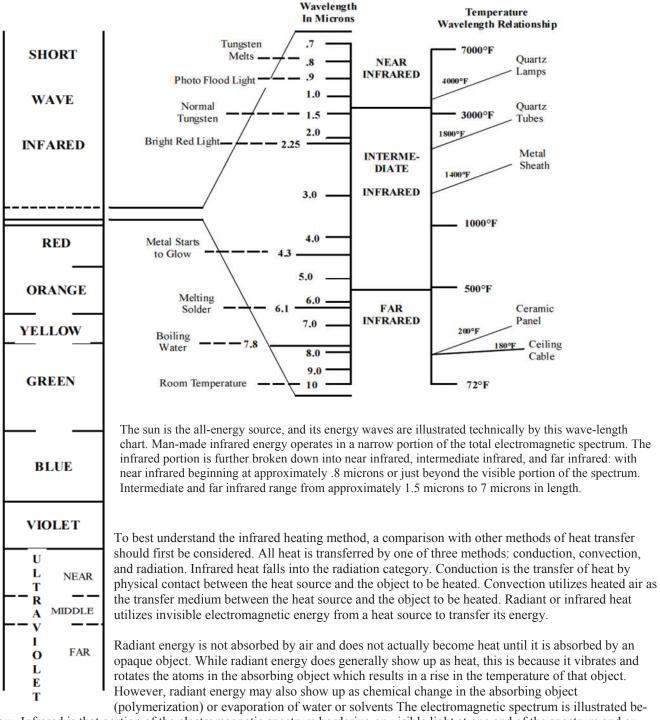


ELECTRIC INFRARED AS PART OF THE ELECTROMAGNETIC SPECTRUM



low. Infrared is that portion of the electromagnetic spectrum bordering on visible light at one end of the spectrum and extending to the microwave region of the radio spectrum –between 1 and 6 microns. (Microns are the unit of measurement for infrared wavelengths.)

Infrared is the most efficient of all forms of radiation in the electromagnetic spectrum where the transfer of heat is concerned. Infrared has many of the same properties as visible light: it travels at the speed of light in straight lines from its source, it can be directed into specific patterns by optically designed reflectors and because of the diffusion of the rays it decreases in intensity as it travels outward from its source. In a similar way to radio waves infrared can be divided into long, medium, and short wavelengths.