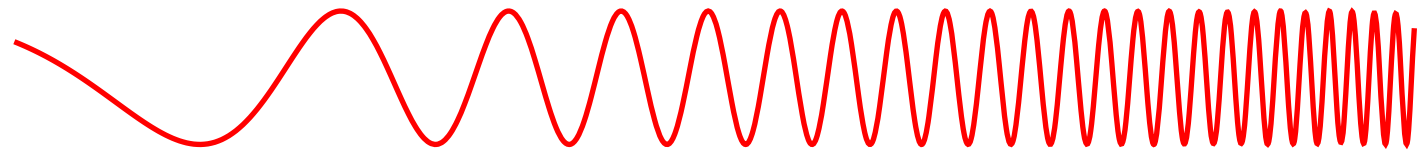


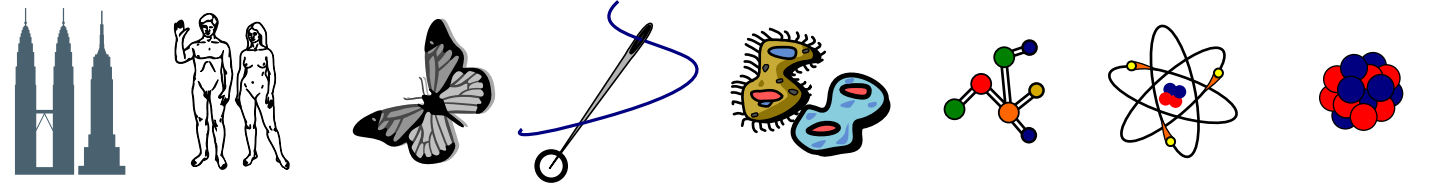
Penetrates Earth's Atmosphere?



Radiation Type
Wavelength (m)

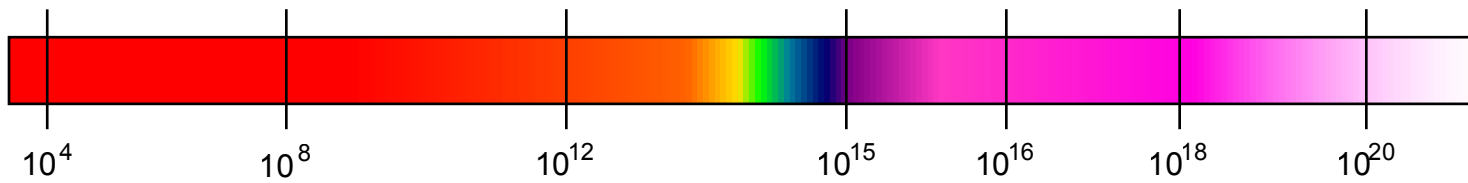
Radiation Type	Wavelength (m)
Radio	10^3
Microwave	10^{-2}
Infrared	10^{-5}
Visible	0.5×10^{-6}
Ultraviolet	10^{-8}
X-ray	10^{-10}
Gamma ray	10^{-12}

Approximate Scale
of Wavelength



Approximate Scale of Wavelength	Frequency (Hz)	Temperature of objects at which this radiation is the most intense wavelength emitted
Buildings	10^4	-272 °C
Humans	10^8	1 K
Butterflies	10^{12}	-173 °C
Needle Point	10^{15}	10,000 K
Protozoans	10^{16}	9,727 °C
Molecules	10^{18}	10,000,000 K
Atoms	10^{20}	~10,000,000 °C
Atomic Nuclei		

Frequency (Hz)



Temperature of objects at which this radiation is the most intense wavelength emitted

