

1. Exercises

1.1 Exercise

Give in micrometers the spectral range for blue, green and red.

Solution.

The blue part of the spectrum is .4 to .49 micrometers.

The green part of the spectrum is .5 to .59 micrometers.

The red part of the spectrum is .6 to .69 micrometers.

1.2 Exercise

Give in micrometers the spectral range for the near IR, middle IR, and thermal IR (far IR) regions of the EM spectrum.

Solution.

Near IR .7 to 1.3 microns

Middle IR 1.3 to 3.0 microns.

Far IR 7-15 microns.