

Name _____

Electromagnetic Radiation

Read about electromagnetic (EM) radiation, visible light, radio waves, and wavelength on these web pages:

- Electromagnetic (EM) Spectrum [SciEd.ucar.edu/em-spectrum]
- Visible Light [SciEd.ucar.edu/visible-light]
- Radio Waves [SciEd.ucar.edu/radio-waves]
- Wavelength [SciEd.ucar.edu/wavelength]

Fill in the table below, comparing red and blue light with radio waves. How are wavelength and the amount of bending related?

Electromagnetic (EM) Radiation	Wavelength	Amount of Bending
Blue Light		
Red Light		
Radio Waves		

Make a prediction: do you think radio waves bend more or less than visible light?

Layers of the Atmosphere

Read about the layers of Earth's atmosphere on these web pages:

- Layers of Earth's Atmosphere [SciEd.ucar.edu/atmosphere-layers]
- Troposphere [SciEd.ucar.edu/shortcontent/troposphere-overview]
- Stratosphere [SciEd.ucar.edu/shortcontent/stratosphere-overview]
- Mesosphere [SciEd.ucar.edu/shortcontent/mesosphere-overview]

Fill in the table below comparing the lower layers of the atmosphere.

Atmosphere Layer	Altitude of Bottom of Layer	Altitude of Top of Layer	How temperature changes as you go up	Humidity
Troposphere				
Stratosphere				
Mesosphere				