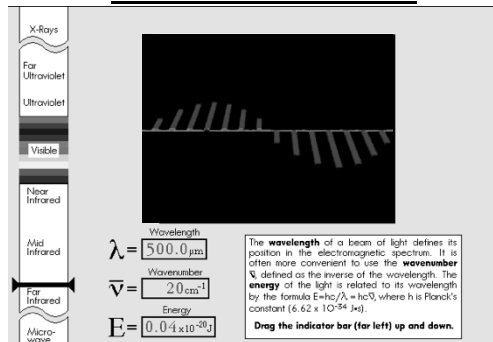


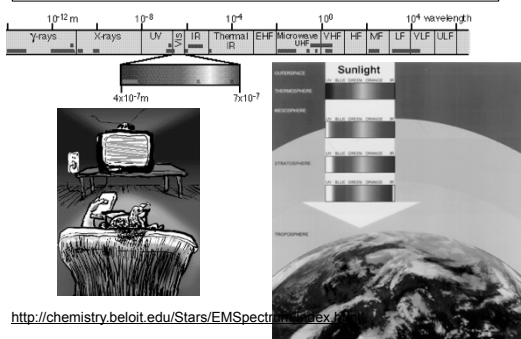
## Infrared Spectroscopy

## Electromagnetic Radiation: Light, Energy, Heat

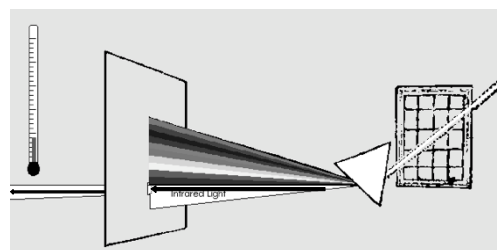
IR Tutor: <http://chemistry.beloit.edu/Warming/pages/infrared.html>



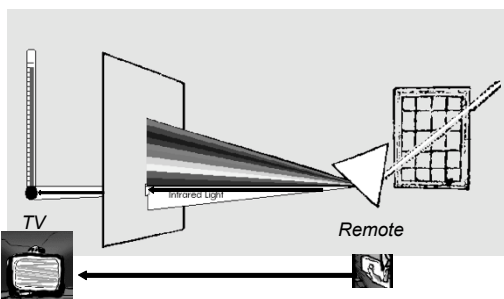
What do the sun's energy, a molecule's shape and a TV remote have to do with greenhouse gases?



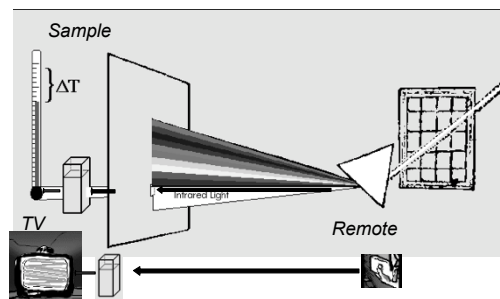
## Infrared Absorbance



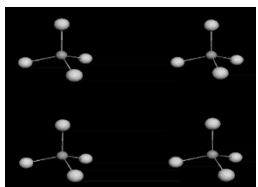
## Infrared Absorbance



## Infrared Absorbance



***Infrared Absorbance & Molecular  
Vibrations for CCl<sub>4</sub>  
Stretching & Bending***



**Assignment**

View: <http://www.learner.org/resources/series61.html>

**#10 Signals from Within**

[3:35-8:55] Spectroscopy

[8:55-20:29] Infrared Spectroscopy

<http://www.learner.org/resources/series61.html>

