

The Electromagnetic Spectrum: What's the Use?

Physics 1P

Mr. Traeger

Name: _____

Period: ____

Date: _____

Purpose

The purpose of this assignment is to investigate telescopes and remote sensing platforms that use each part of the electromagnetic spectrum.

Materials

▪ Computer	▪ Computer/Internet	▪ Mr. Traeger's Internet Investigations Page
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Part 1: Visible Light

- Go to Mr. Traeger's Internet Investigation Website. There, you will find links to complete this assignment. Fill in the following chart to investigate more in to how the electromagnetic spectrum is used to study different aspects of astronomy and remote sensing. The Tour of the Electromagnetic Spectrum Page from NASA's Mission: Science will be quite helpful. <http://missionscience.nasa.gov/ems/index.html>

Part of Electromagnetic Spectrum	Name of Object or Mission	What is it that is being sensed? Planet, star, nebula, galaxy etc.	What wavelength(s) of light were used to image this object?	Why was this type of light used to image this object?
Radio				
Microwave				
Infrared				
Reflected Near Infrared				
Visible				
Ultraviolet				
X-ray				
Gamma Ray				