

Name _____

Electromagnetic Spectrum Assessment Questions

(Please see on-line module at <http://cimss.ssec.wisc.edu/satmet/modules/spectrum/index.html>)

- 1) How can moving a car up or back a few meters make a difference to radio reception?

- 2) Arrange the following order of increasing energy:
Visible radiation, Gamma Rays, X-Rays, Radio waves.

- 3) Radiation theory starts with the fundamental law that...

- 4) What is Kirchhoff's Law?

- 5) Name the 3 main spectral channels (and wavelenths) that satellite radiometers report data from:
include the wavelenghts.

- 6) Radiant Energy is conserved when it passes through the atmosphere but it can change form. What
are the three main physical processes that take place when radiant energy interacts with an object:

