



The Facts of Light Notes

What is **light**?

What is the ray model of light?

What is an **electromagnetic wave**?

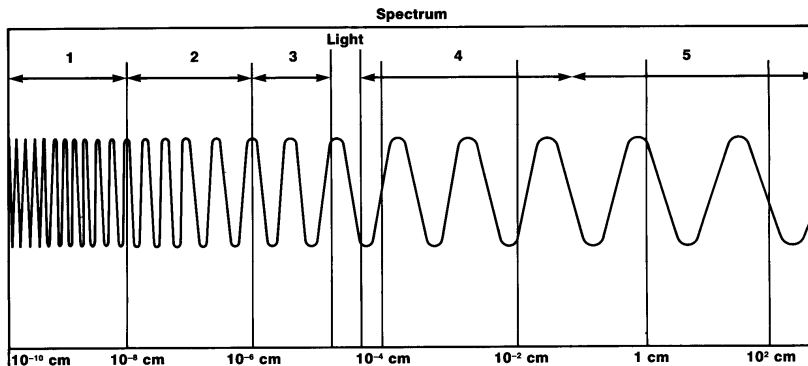
What is **electromagnetic radiation**?

What is the **electromagnetic spectrum**?

What is the range of wavelengths for the visible spectrum?

What is **c**?

Label the graphic:



What is the relationship between wavelength, frequency, and energy for all the radiation of the **electromagnetic spectrum**?

What was the significance of Michelson's work?

Define **luminous source**:

Define **illuminated source**:

Differentiate between **opaque**, **transparent**, and **translucent**:

Define **luminous flux (P)**:

Define **lumen (lm)**:

Define **illuminance (E)**: include the equation!

Define **lux (lx)**:

How does illuminance (E) of a point source change with distance?

What is **luminous intensity (I)**?

What is the polarization of light? How can we use this to our advantage?