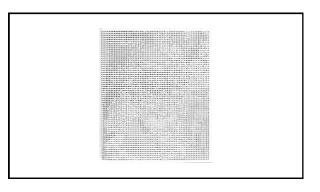
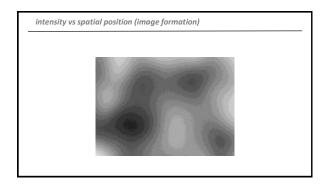


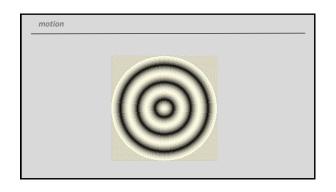


1. What kinds of information about objects in the environment are conveyed by light and coded by the visual system? What types of information present in light are lost in visual processing (examples of such "lost" information will be discussed in later lectures)?





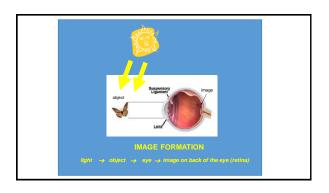






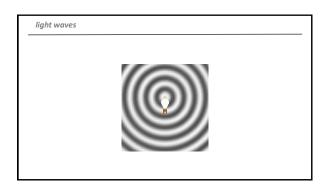


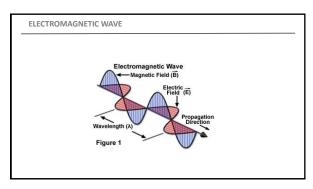


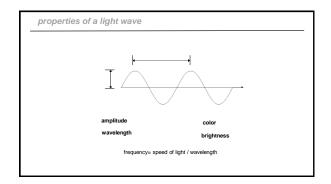


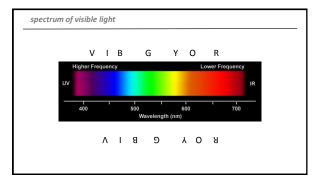
2. Understand the properties of light and how they are related to brightness and color perception.

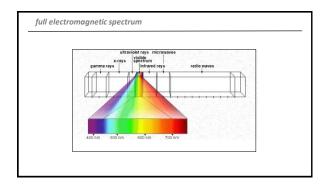
a. Wavelength
b. Intensity
c. Luminance

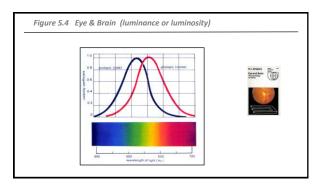


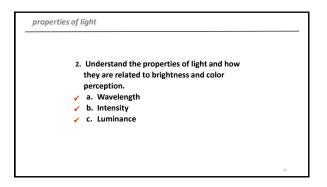


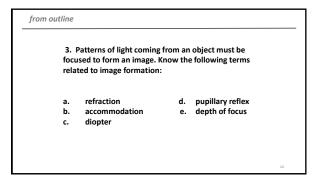


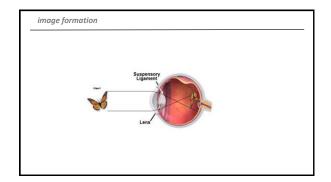


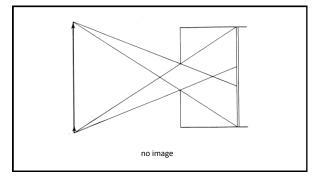


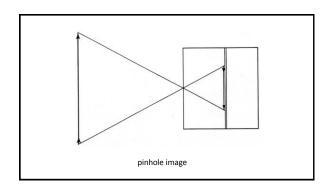


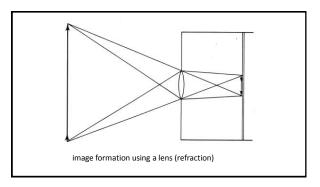


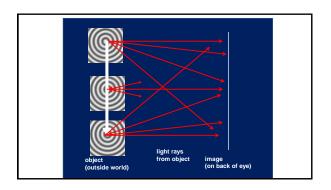


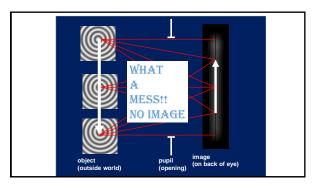


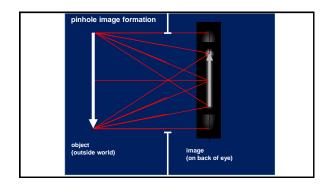


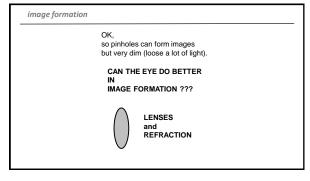


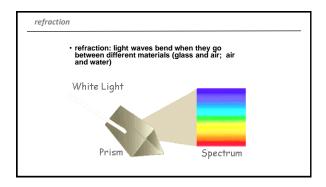


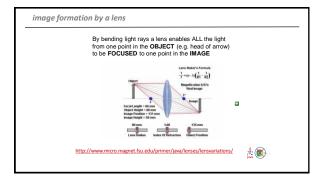


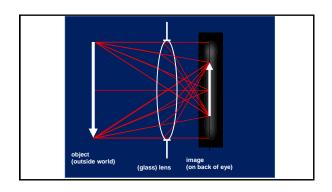


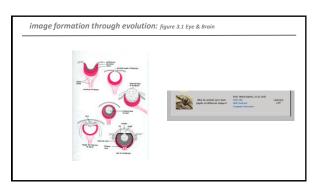


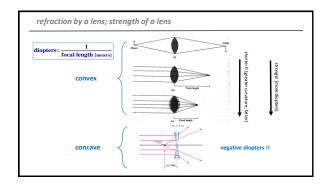


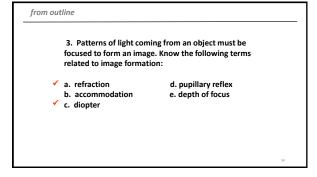


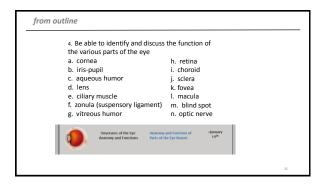


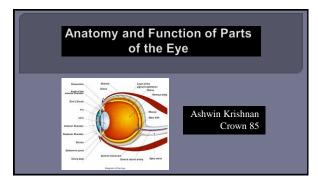


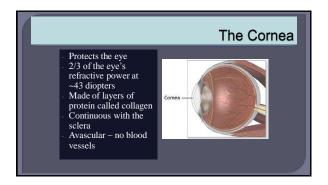


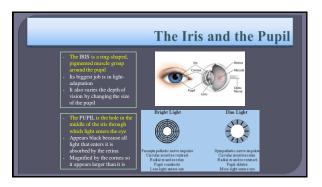


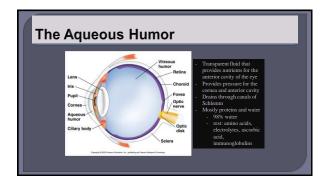


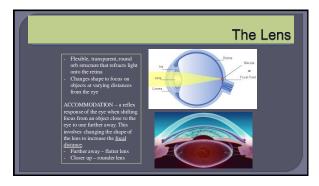


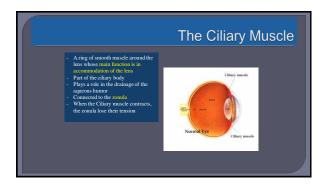


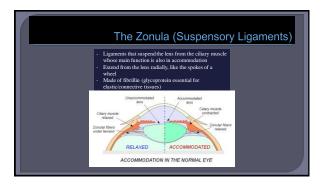


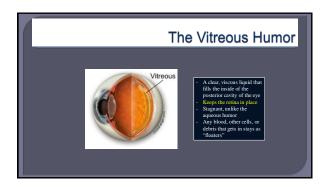


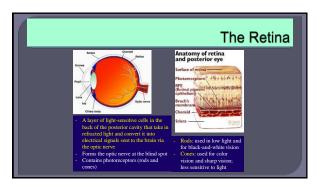


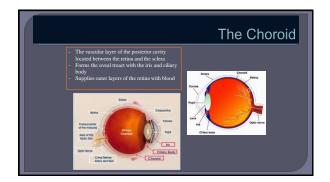


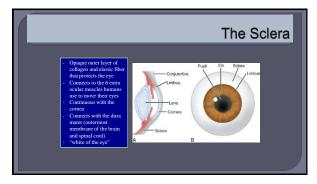


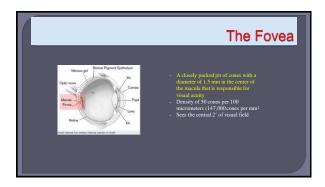


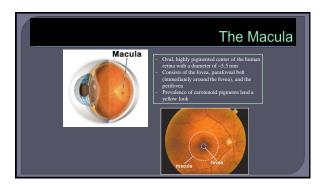


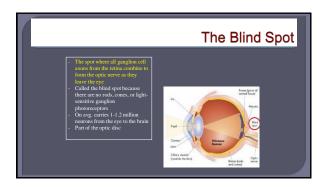


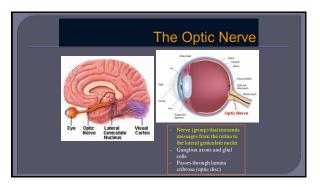


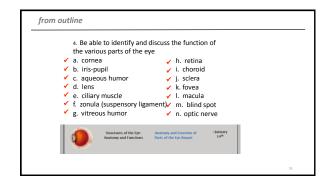


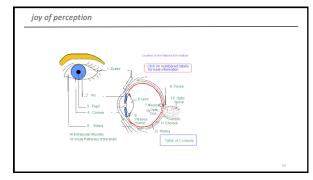


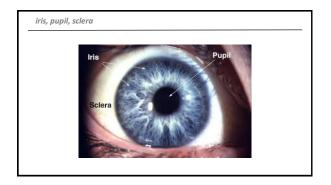


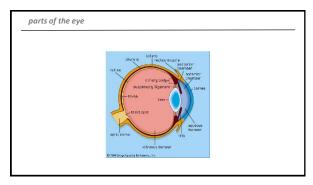


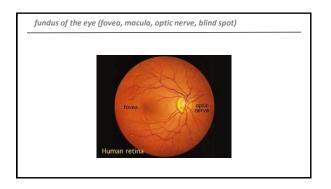


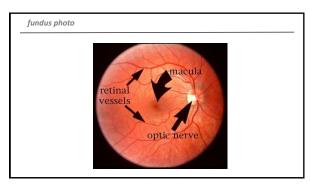




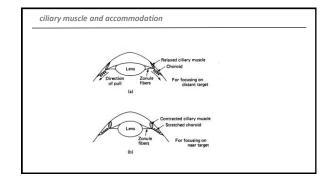


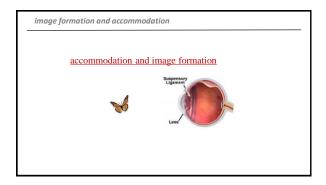


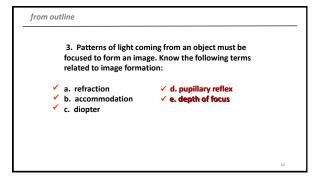


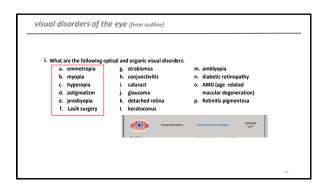


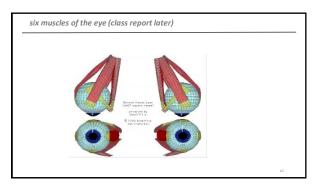


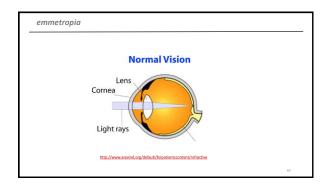


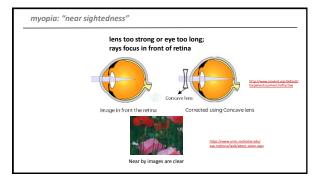


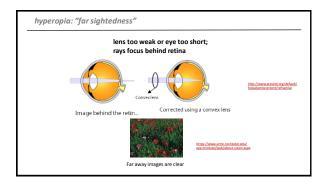


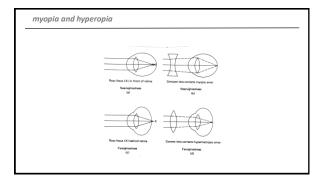


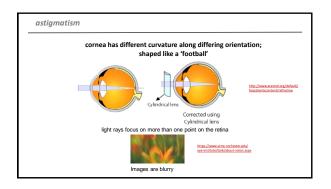




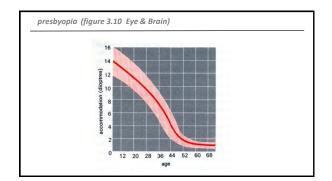






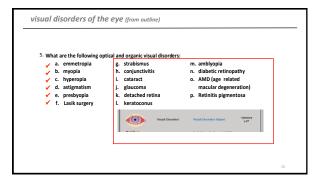


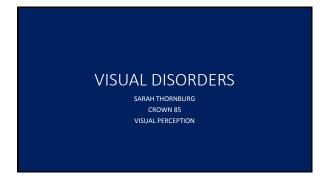


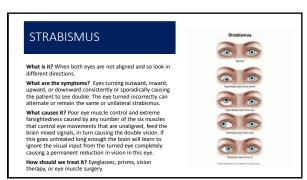


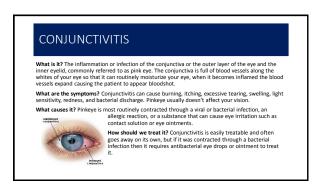


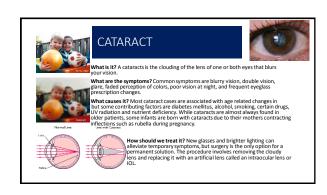


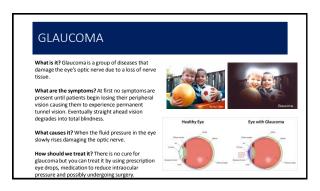


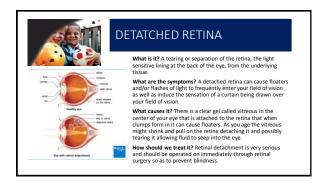


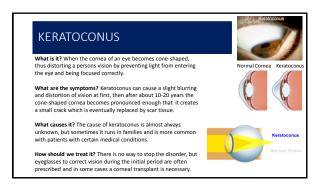


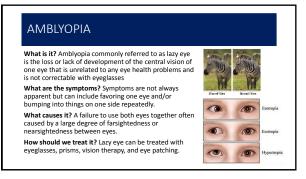


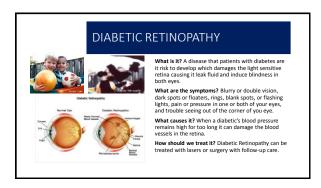


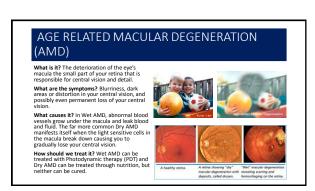


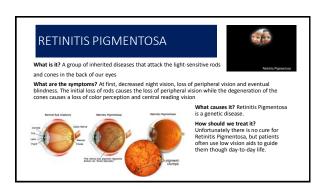


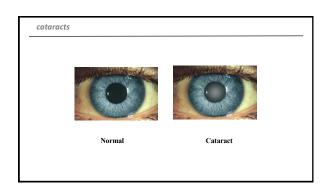


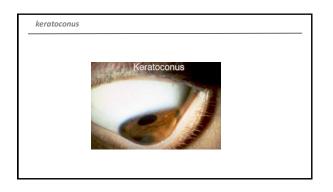


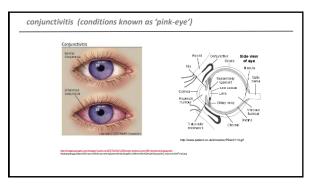


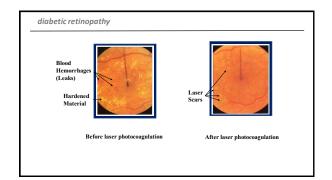


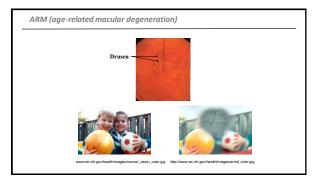


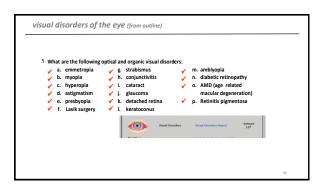












visual transduction (light ⇒electrical signals)

6. Describe the process of visual transduction, being sure to understand:

a. 11-cis and all-trans retinal
b. rhodopsin
c. vitamin A and regeneration

