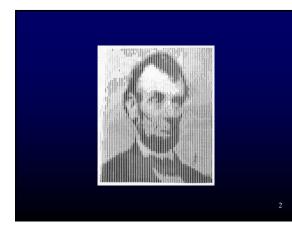
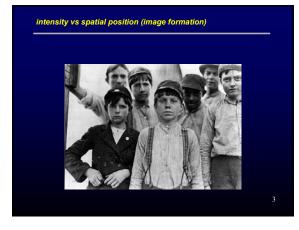
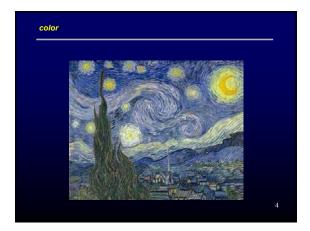
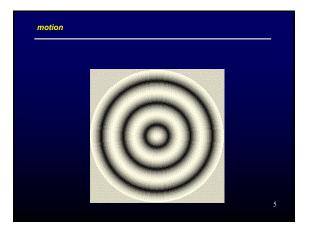
Biology 70 Part II Sensory Systems

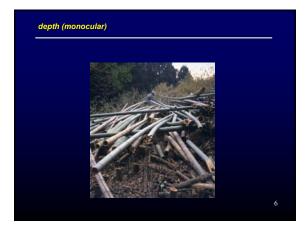
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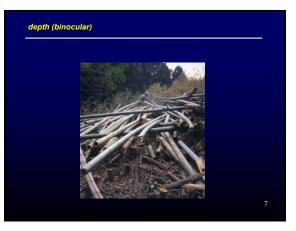






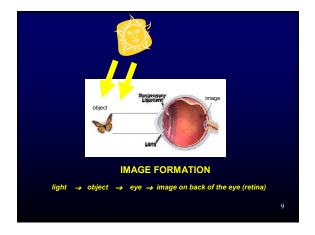


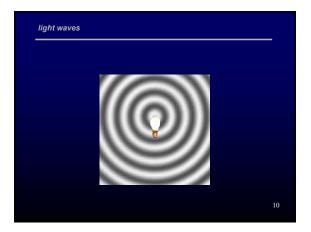


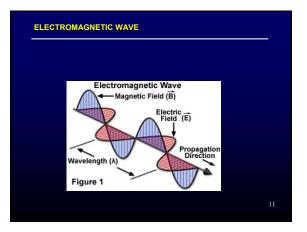


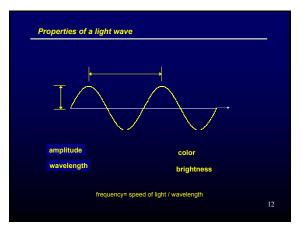
from outline

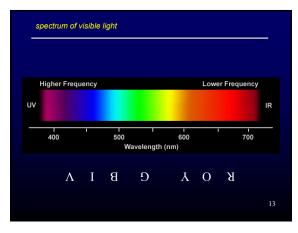
 In the lectures on perception we will see how various aspects of sensory information are coded in the stimulus. For vision, know what aspects of light are responsible for coding the position (boundaries or form) of objects, the color of objects, and the motion of objects. Also know the limits of our perception for each of these attributes other aspects of visual processing that "lose" in formation (many examples will come from later lectures).

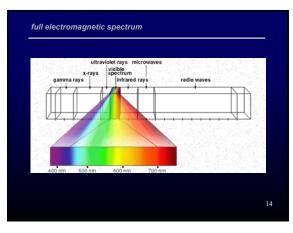


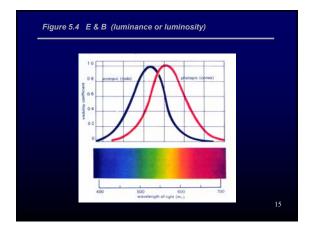






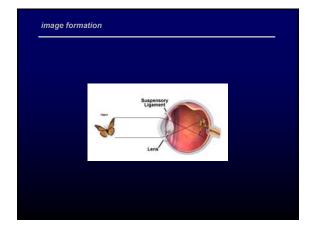


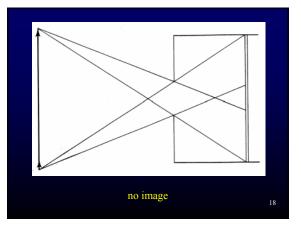


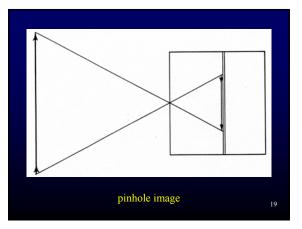


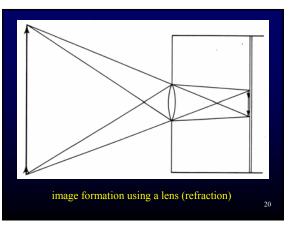


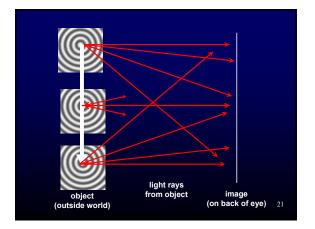
- 2. Understand the properties of light and how they are related to brightness and color perception.
 - a. wavelength 🕨
 - b. intensity 🔹
 - c. luminance 🟓

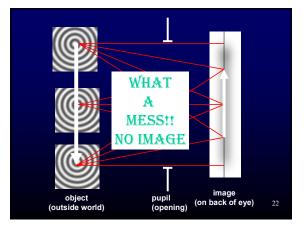


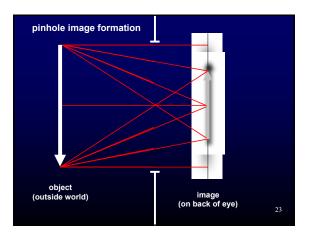


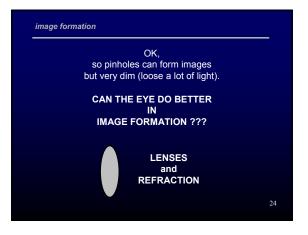


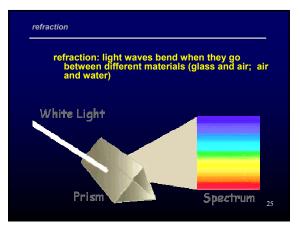


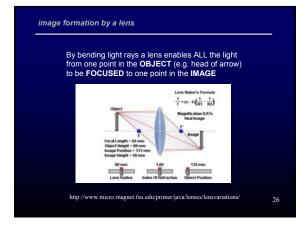


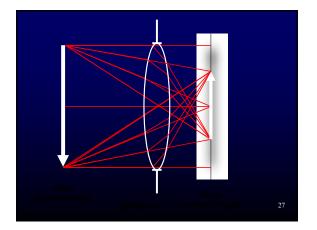


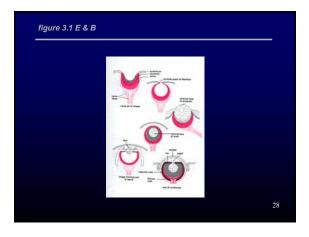


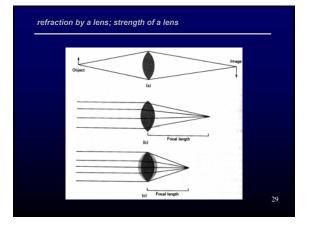






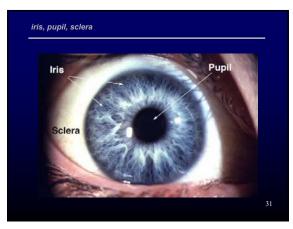


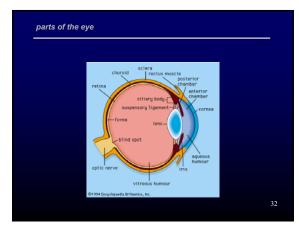


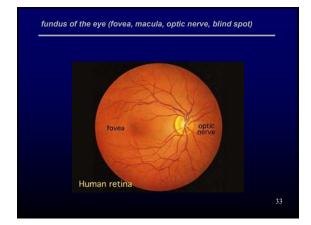


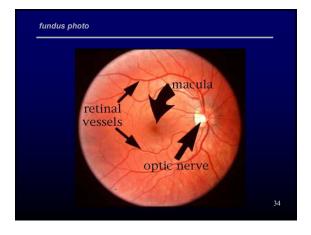
from outline

- Patterns of light coming from an object must be focused to form an image. Know the following terms related to image formation:
 - a. refraction 🕨
 - b. accommodation
 - c. diopter 🛛 🍽
 - d. pupillary reflex



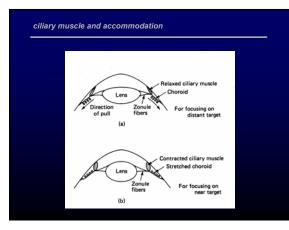


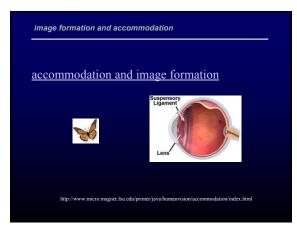




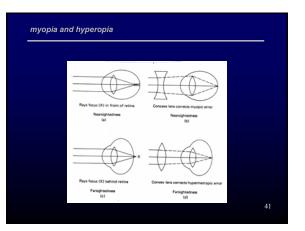


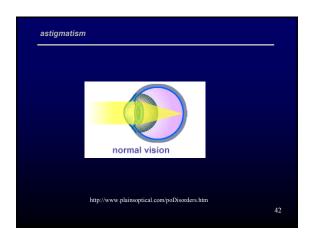
from outline 4. Be able to *identify* and discuss the *function* of the various parts of the eye: a. cornea h. retina b. iris-pupil i. choroid c. aqueous humor j. sclera d. lens k. fovea e. ciliary muscle l. macula f. suspensory ligament m. blind spot g. vitreous humor n. optic nerve



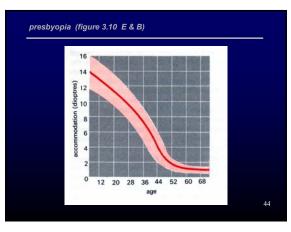






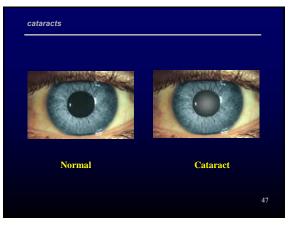




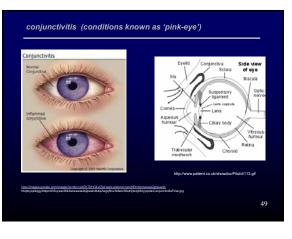


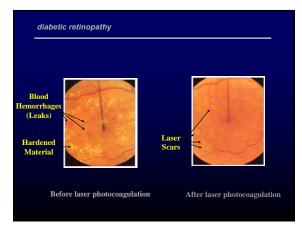


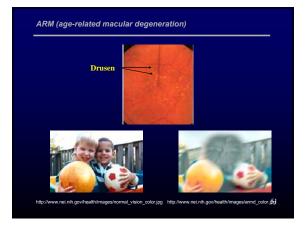
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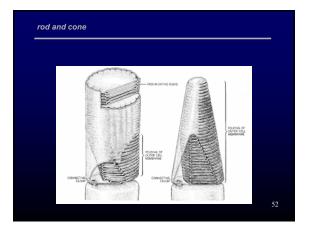


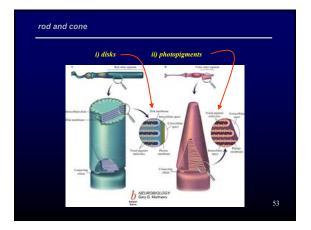


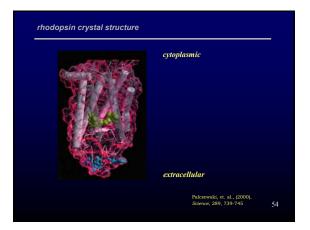


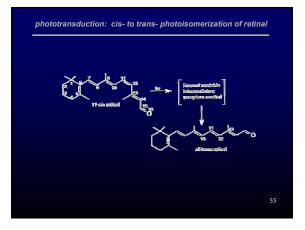


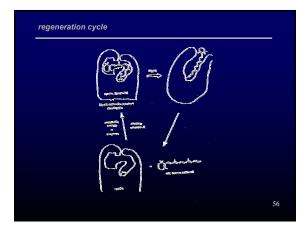


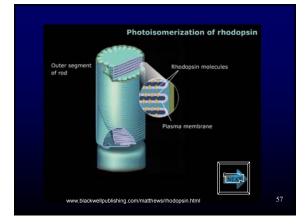












from outline

- 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

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