

Day 14 – 3/24/14

Student Learning Objectives

By the end of this class you will be expected to understand:

- The general structure of a sensory neuron and the types found in the body
- The properties of light as it relates to vision
- The major parts of the eye and their roles in focusing light
- The different types of photoreceptors in the eye and their functions

Support videos:

- Parts of the Eye
 - <http://www.youtube.com/watch?v=Sqr6LKIR2b8>
- Bill Nye the Science Guy
 - <http://www.youtube.com/watch?v=aVcZQPUj4Vg>
 - <http://www.youtube.com/watch?v=5HqwcySYUgo> (optional)

Assigned reading:

- Chapter 12: p276-279, p290-294

Vocabulary:

- Receptor
 - Mechanoreceptor
 - Thermoreceptor
 - Pain receptor
 - Nociceptor (*synonym*)
 - Chemoreceptor
 - Smell
 - Taste
 - Photoreceptor
 - Rod
 - Cone
- Eye
 - Sclera
 - Conjunctiva
 - Cornea
 - Pupil
 - Iris
 - Lens
 - Aqueous humor
 - Vitreous humor
 - Retina
 - Macula
 - Optic disk
 - Optic nerve
 - Rhodopsin
 - Retinal
 - Vitamin A