

Unit 6 – The Special Senses

Reading Assignment:

Chapter 15 – The Special Senses

Vocabulary:

Please define the following terms and use them to study for the Unit Quiz. Be prepared to turn in a list of your definitions the day of the quiz. You may use flashcards, list form, Quizlet, or whatever is most practical and useful for you.

Iris	Cones	Stapes
Pupil	Glaucoma	Tympanic membrane
Cornea	Cataract	Cochlea
Conjunctiva	Reflection	Sound
Lacrimal apparatus	Refraction	Frequency
Lens	Myopia	Wavelength
Retina	Hyperopia	Amplitude
Optic disc	Astigmatism	Conduction deafness
Sphincter pupillae	Color blindness	Sensorineural deafness
Dilator pupillae	Malleus	Tinnitus
Rods	Incus	

Study Questions:

*Answer the following questions throughout the unit. Be ready to turn in your work the day of the quiz. Use in class notes, the textbook, and other resources to guide you in writing your **own** original response to the question. Think critically!*

1. Describe the structure of the eye, including eye structures and layers.
2. Trace the pathway of light through the eye to the retina, and explain how light is focused for distant and close vision.
3. Compare and contrast the roles of rods and cones in vision.
4. Note the causes and consequences of astigmatism, cataract, glaucoma, hyperopia, presbyopia, and color blindness.
5. Explain how taste and smell receptors are activated.
6. Describe the structure and general function of the outer, middle, and internal ear.
7. Describe the sound conduction pathway to the fluids of the internal ear.
8. Explain how balance organs of the semicircular canals and vestibule help maintain equilibrium.
9. List the possible causes of deafness.