

# Anatomy and Physiology I

## Chapter 15: Sensory Physiology

Describe each of the following sensory systems:

1. Visual System
2. Auditory System
  - a. The Auditory Nerve System (Hearing) (Hear: 10-10000 Hz)
  - b. Olfactory Nerve System (Smell) (Smell: 10-10000 Hz)
  - c. Gustatory Nerve System (Taste) (Taste: 10-10000 Hz)
  - d. Somatosensory and Proprioceptive Systems (Touch, Pressure, Pain, etc.) (Touch: 10-10000 Hz)

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3. Balance System (Vestibular System) (Balance: 10-10000 Hz)
  4. Temperature (Thermoreception) (Temperature: 10-10000 Hz)
  5. Chemical (Chemoreception) (Chemical: 10-10000 Hz)
  6. Light (Photoreception) (Light: 10-10000 Hz)
  7. Sound (Acoustics) (Sound: 10-10000 Hz)
  8. Pressure (Mechanoreception) (Pressure: 10-10000 Hz)
  9. Pain (Nociception) (Pain: 10-10000 Hz)
  10. Smell (Olfaction) (Smell: 10-10000 Hz)

Explain the following:

1. Visual System (Hearing) (Hear: 10-10000 Hz)
  - a. Cornea
  - b. Iris
  - c. Lens
2. Auditory System (Smell) (Smell: 10-10000 Hz)
  - a. Nose
  - b. Olfactory Nerve
  - c. Gustatory Nerve
  - d. Taste
3. Balance System (Vestibular System) (Balance: 10-10000 Hz)
  - a. Vestibular Nerve
  - b. Vestibular Nerve
  - c. Vestibular Nerve
  - d. Vestibular Nerve
  - e. Vestibular Nerve
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  - z. Vestibular Nerve
4. Temperature (Thermoreception) (Temperature: 10-10000 Hz)
  - a. Thermoreceptors
  - b. Thermoreceptors
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**James D. Westwood**



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