

A L L Y N A N D B A C O N

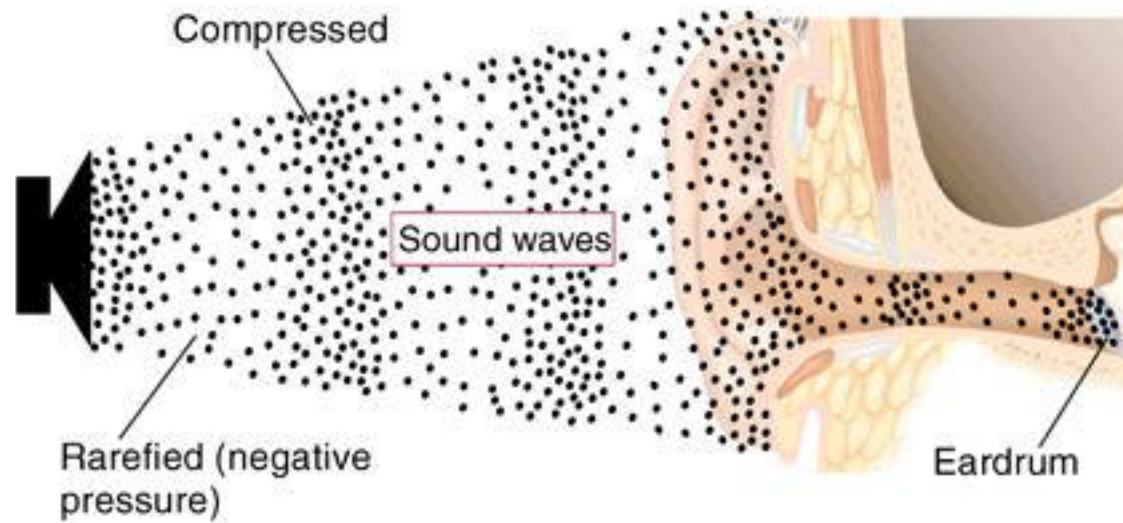


for Physiology of Behavior
by Neil R. Carlson Seventh Edition

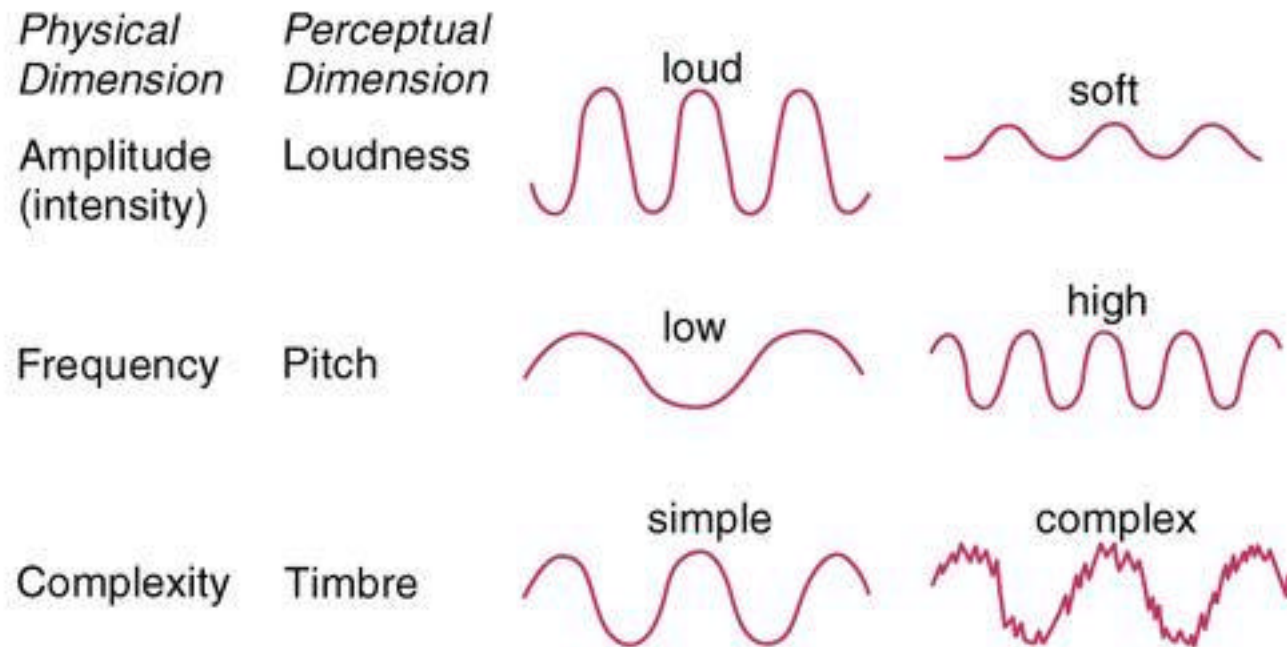
CHAPTER 7

Audition, the Body Senses, and the Chemical Senses

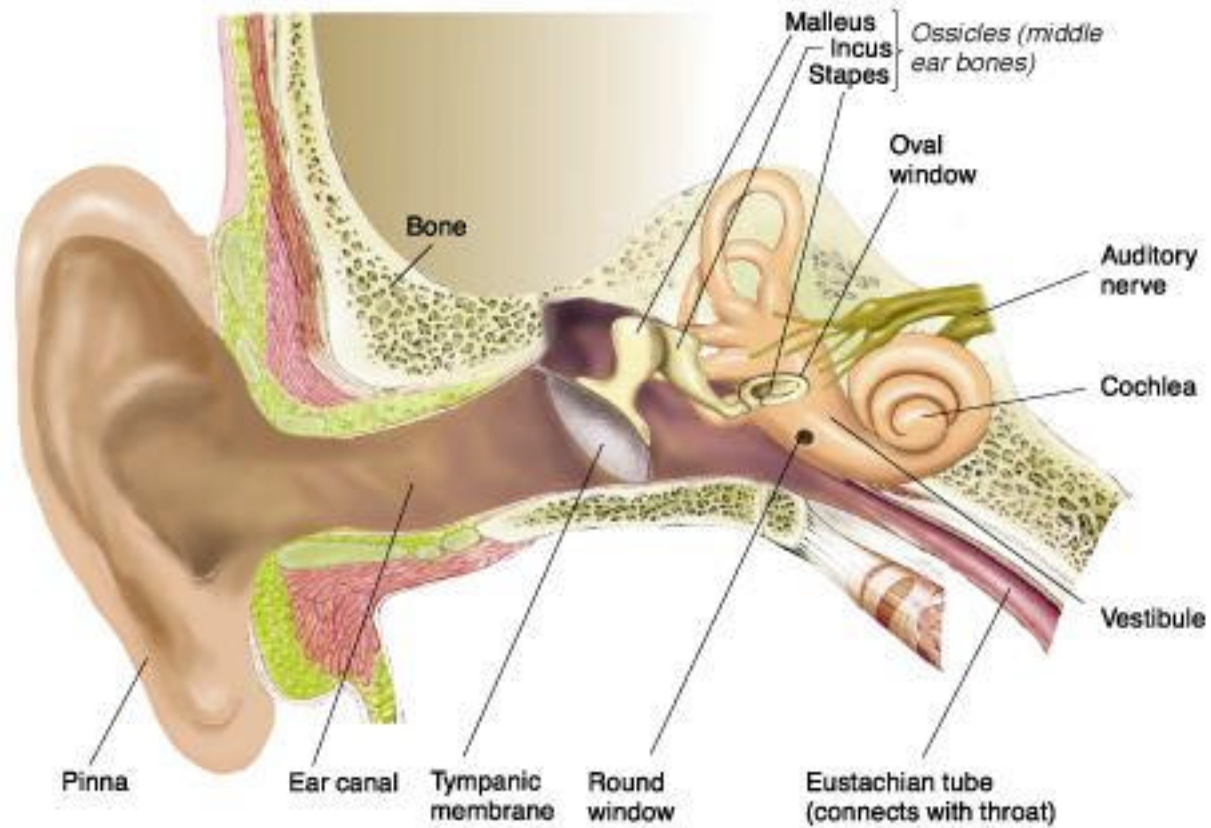
► Sound Waves



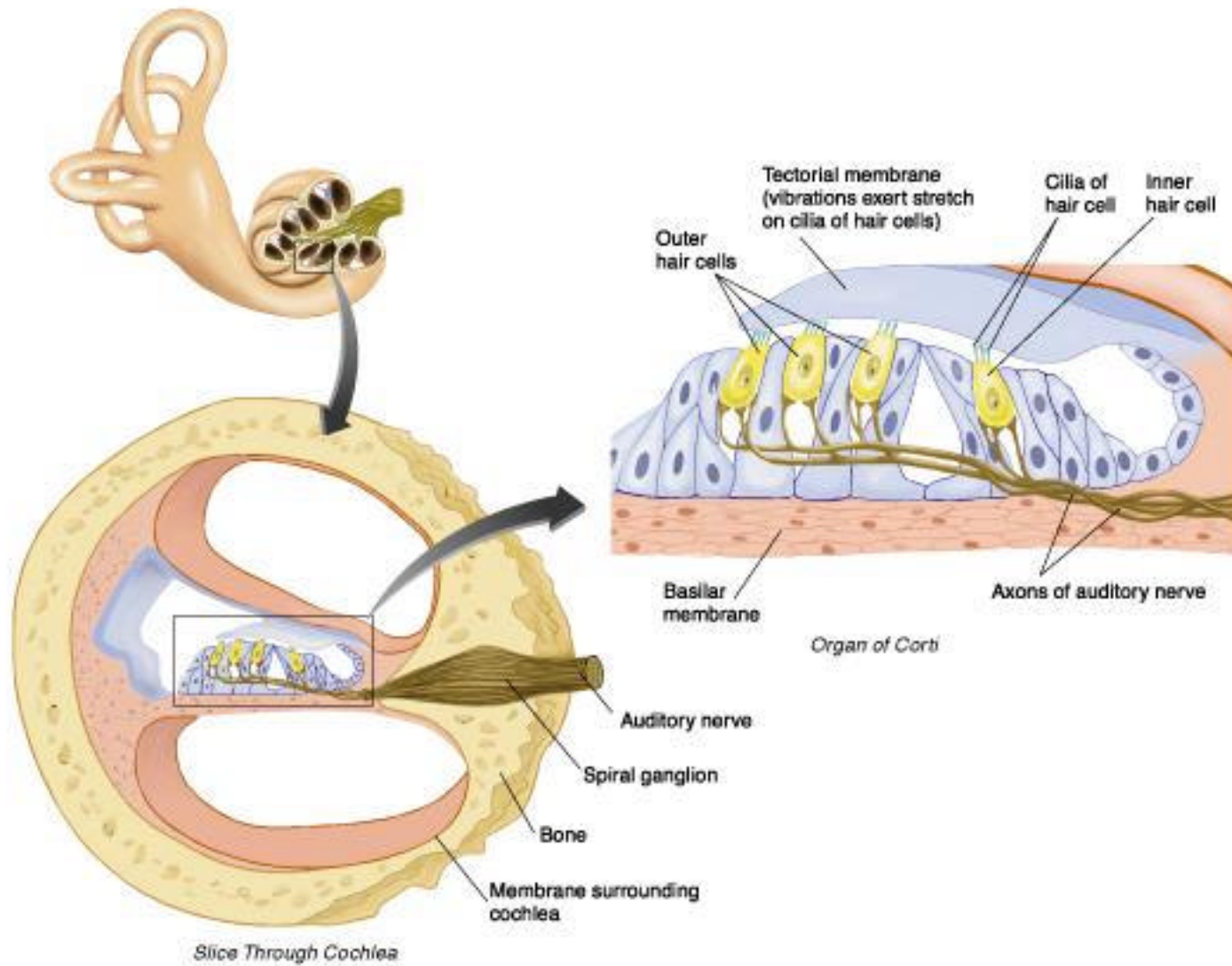
► The Physical and Perceptual Dimensions of Sound Waves



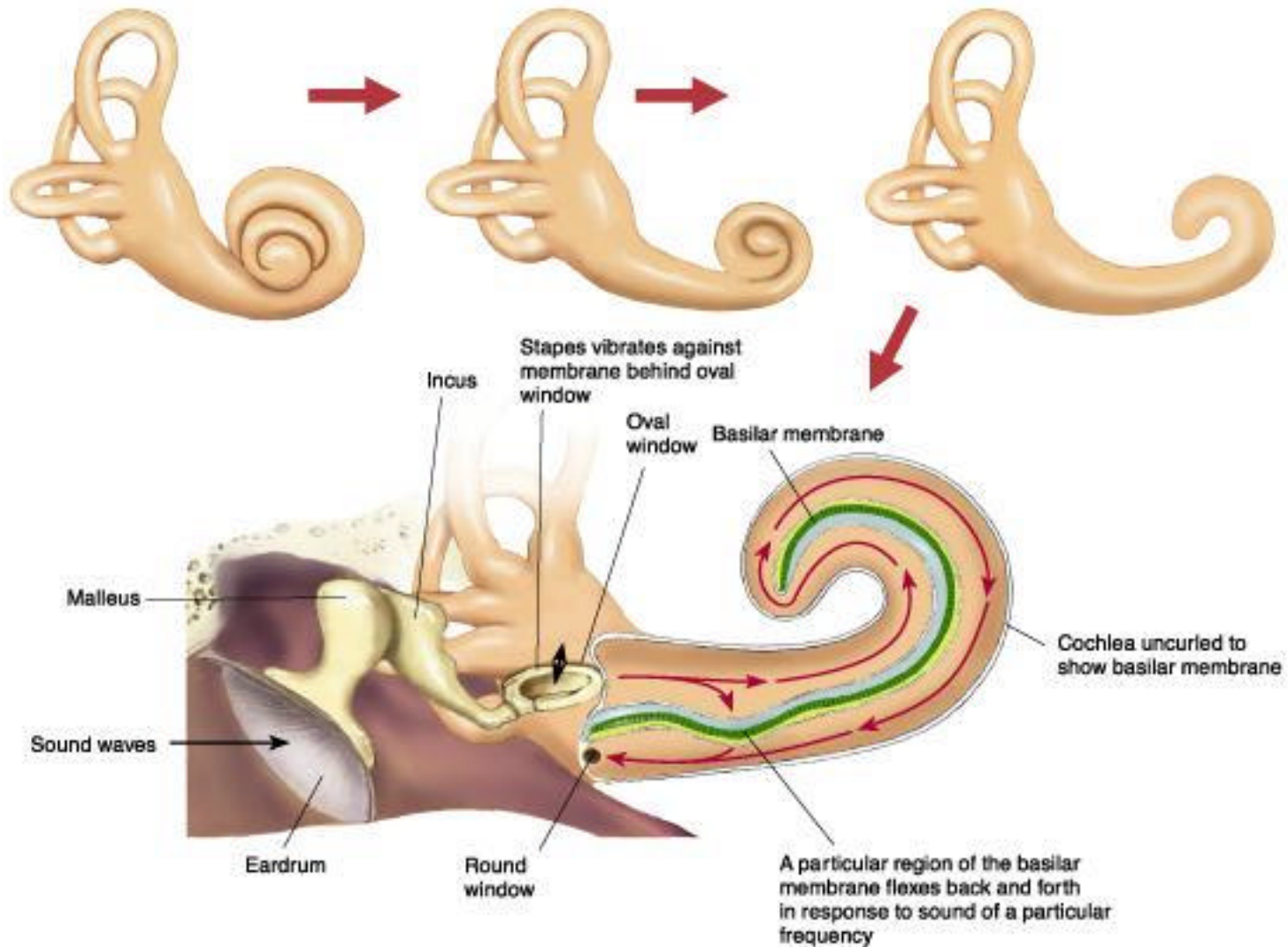
► The Auditory Apparatus



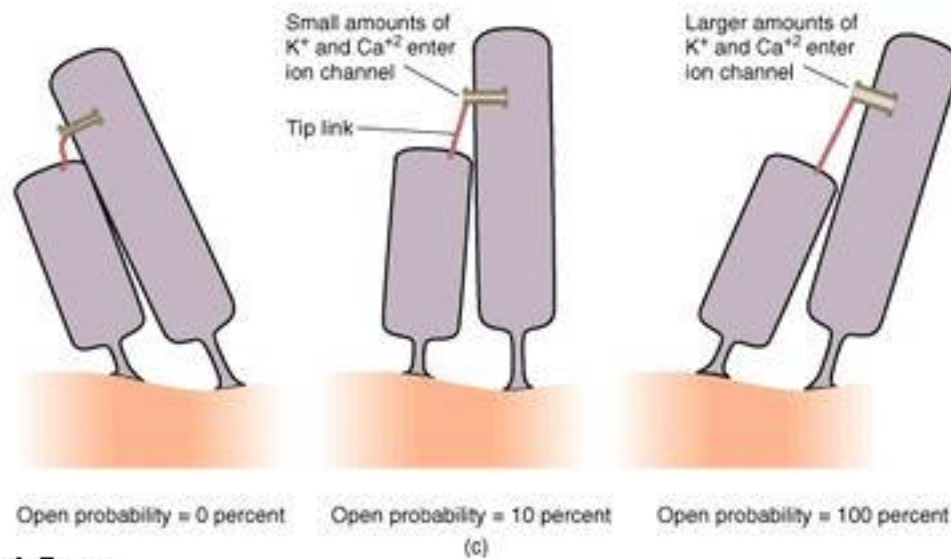
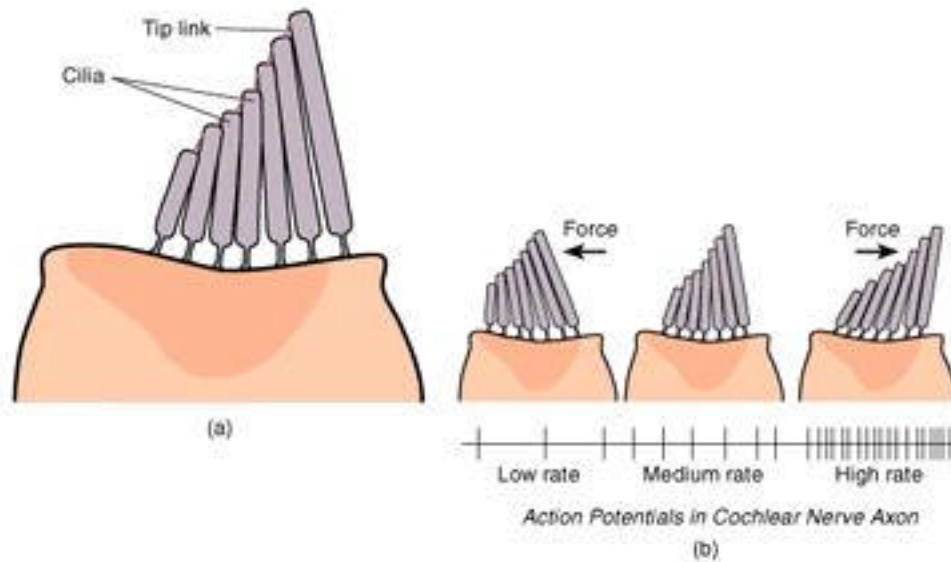
► **Cross section through the Cochlea**



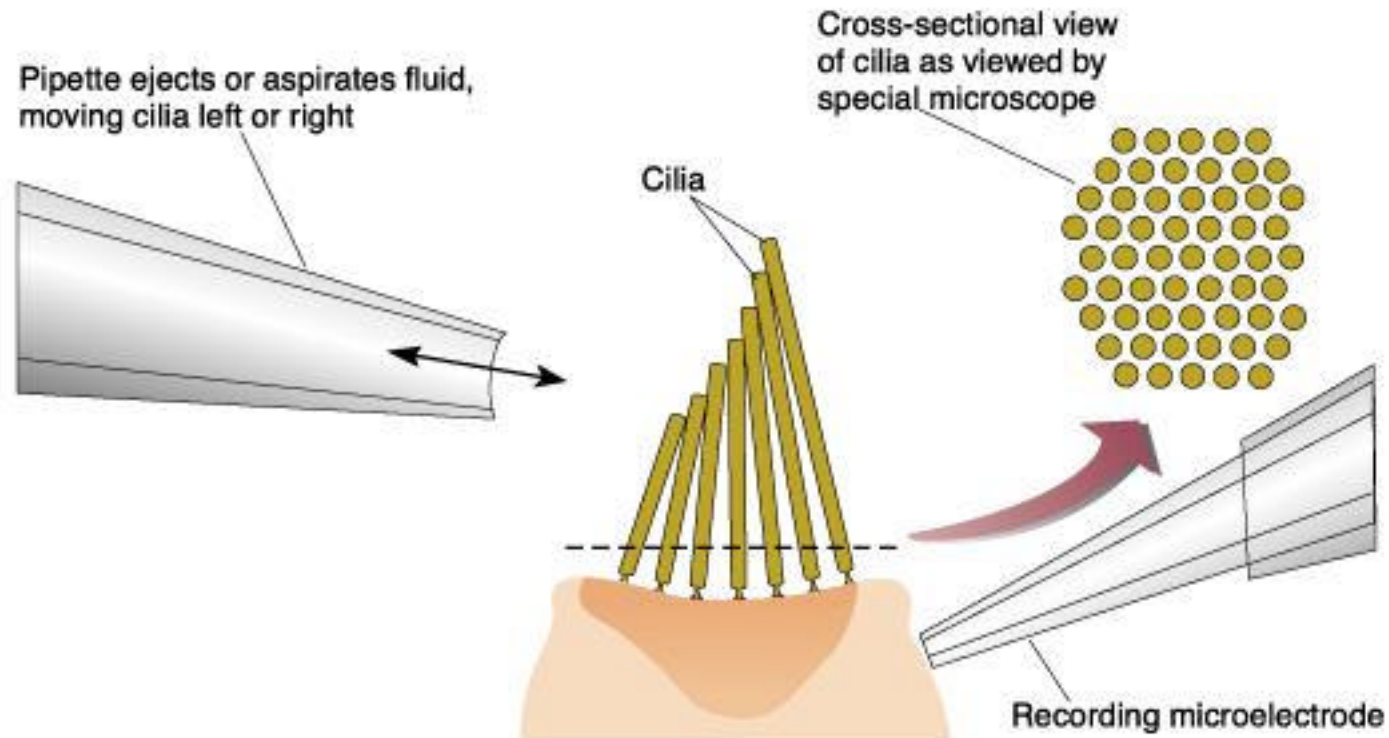
► Responses to Sound Waves



► Transduction of Hair Cells in the Inner Ear

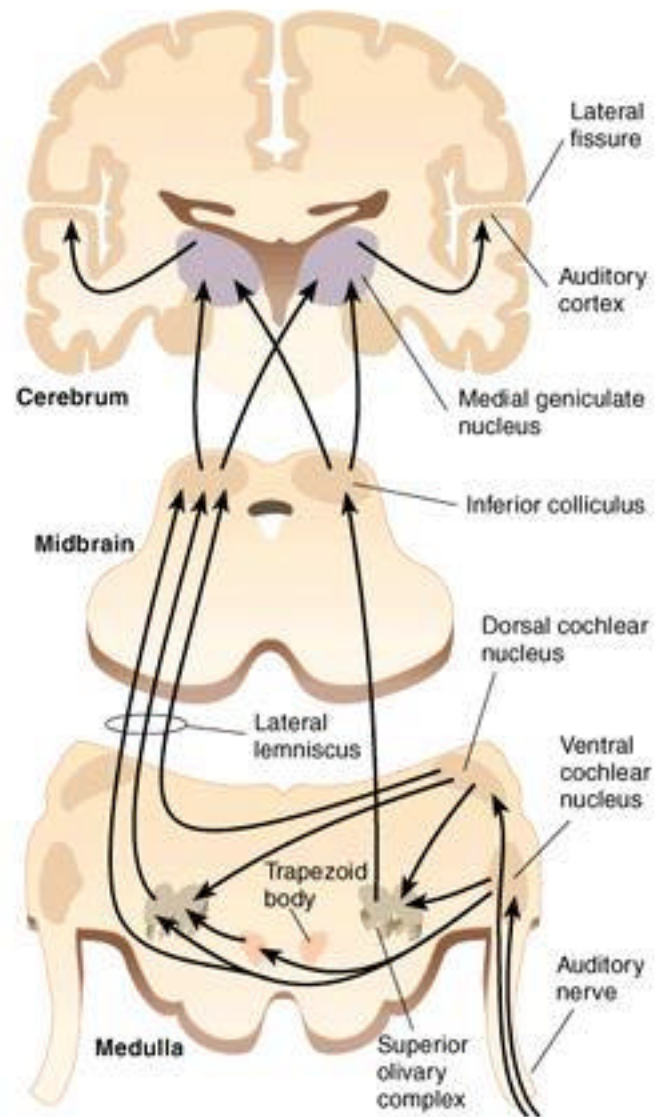


► **The Experimental Setup used by Denk et al. (1995) to Detect the Influx of Calcium into the Cilia of Hair Cells of the Inner Ear**

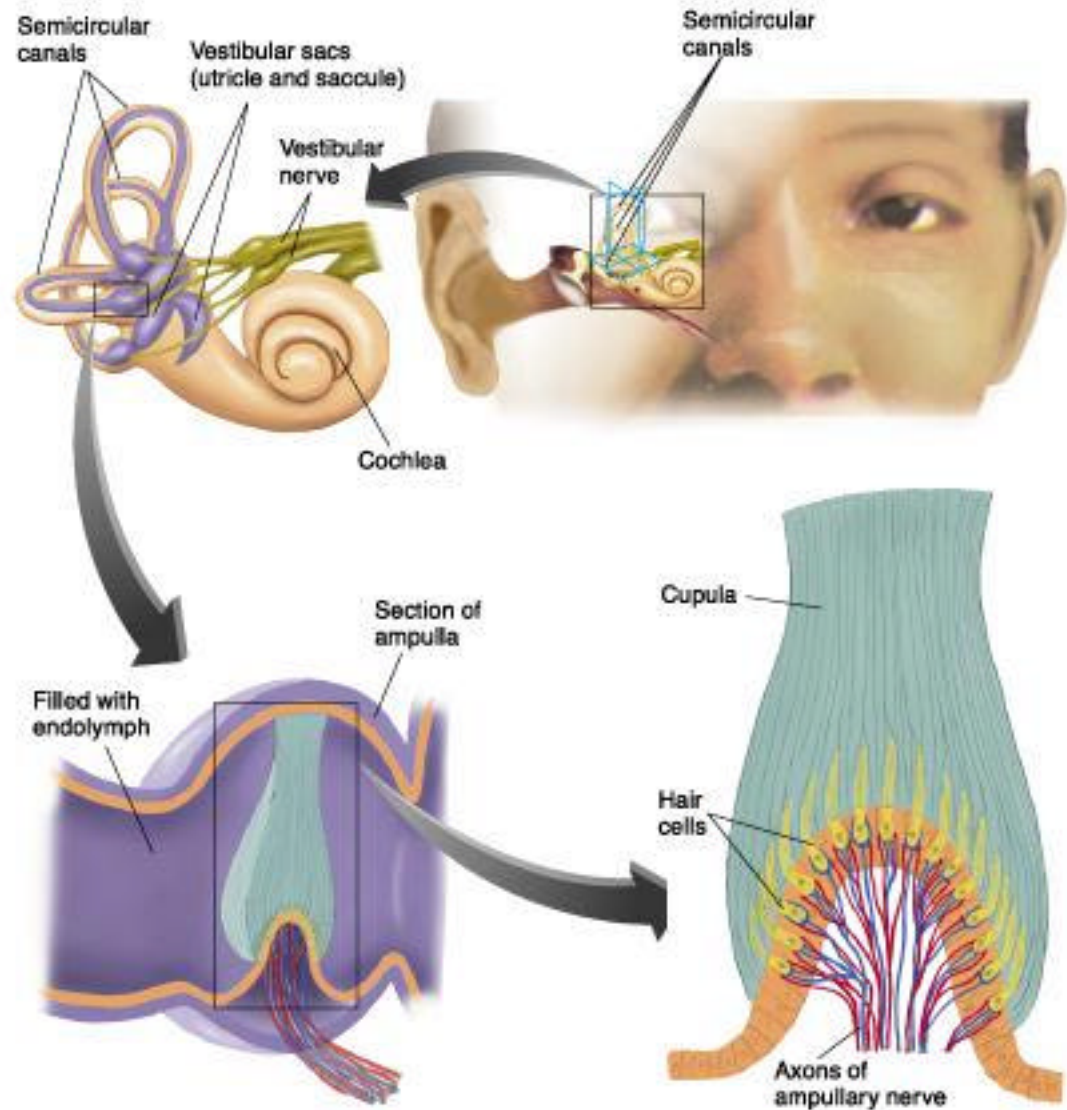


Source: Adapted from Denk, W., Holt, J.R., Shepherd, G.M.G., and Corey, D.P. *Neuron*, 1995, 15, 1311-1321.
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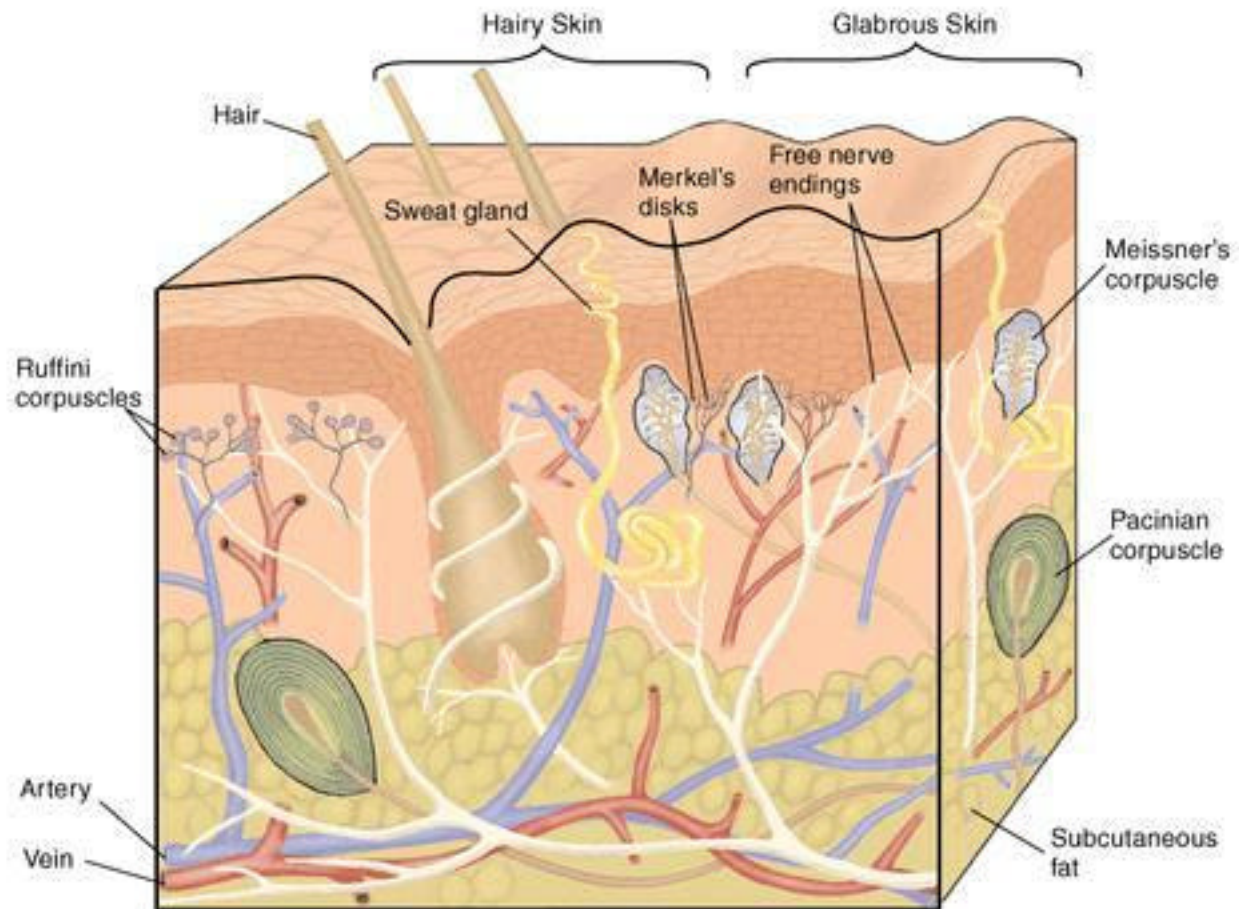
► The Pathway of the Auditory System



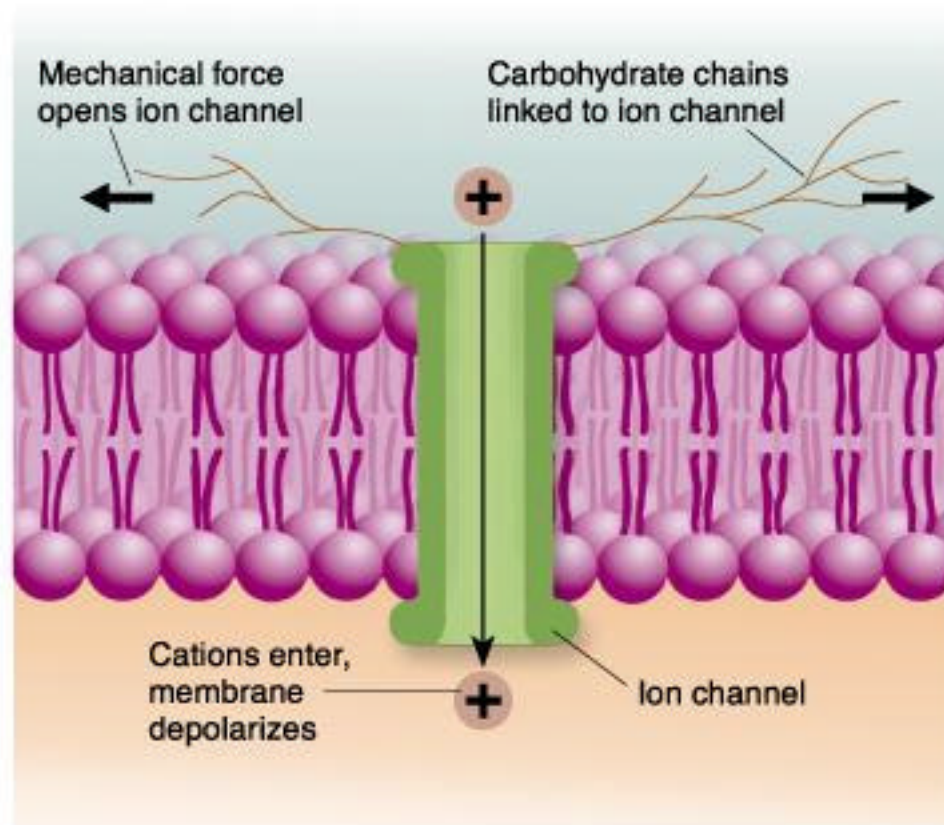
► Receptive Organ of the Semicircular Canals



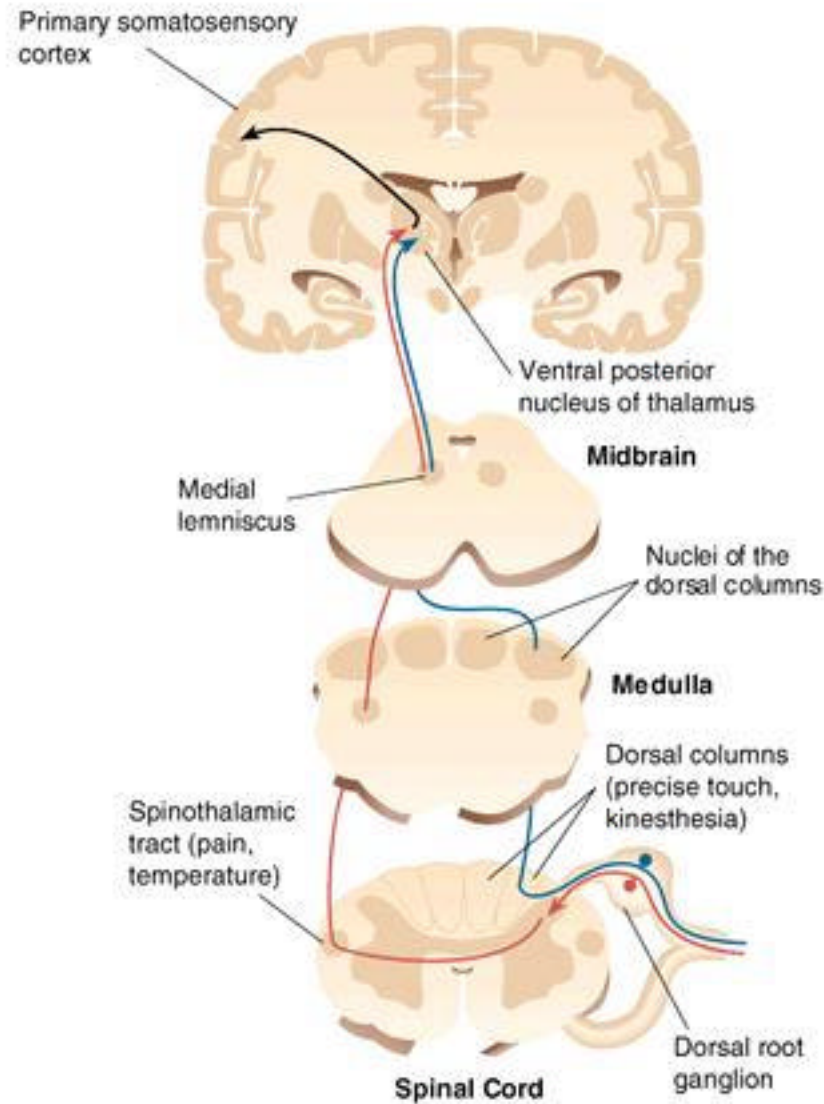
► Cutaneous Receptors



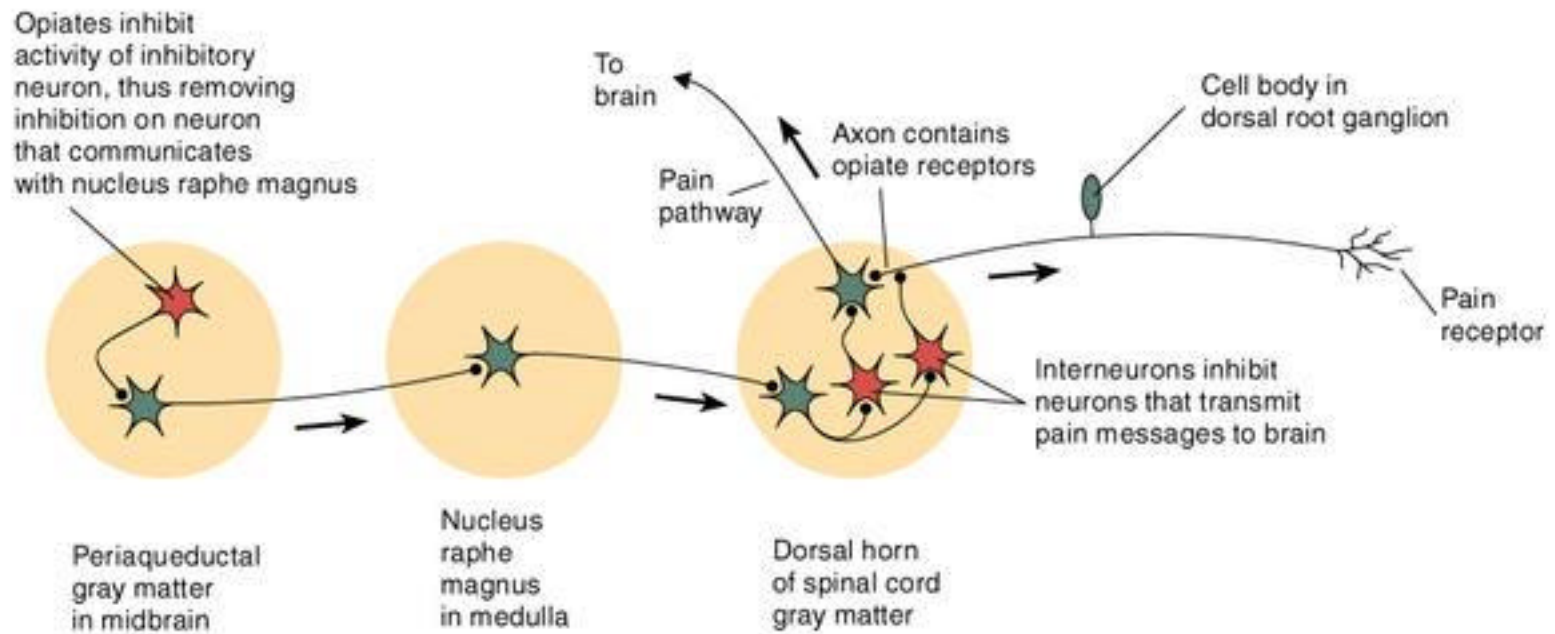
► **Hypothetical Explanation of Transduction of Somatosensory Information**



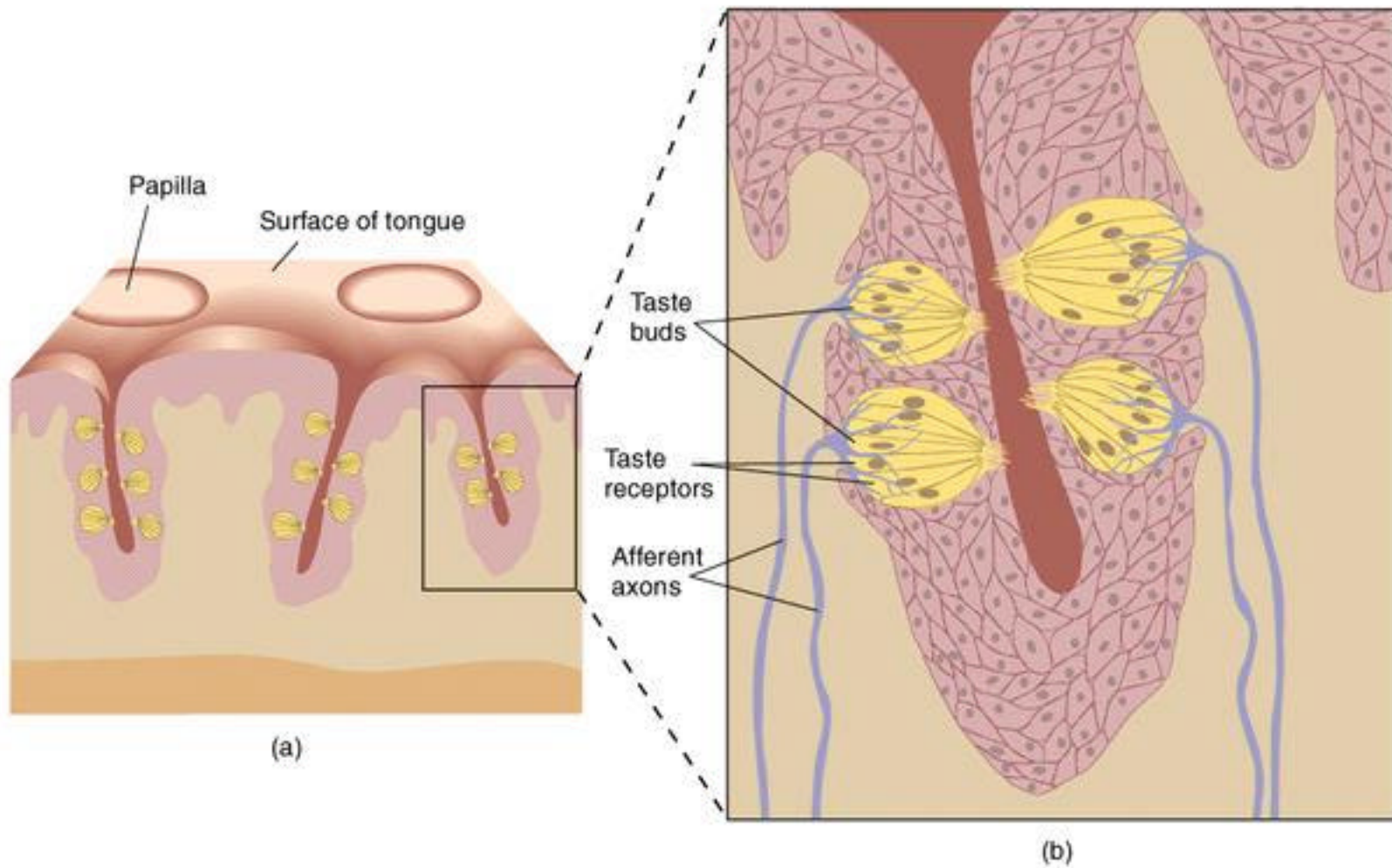
► Somatosensory Pathways from the Spinal Cord to the Somatosensory Cortex



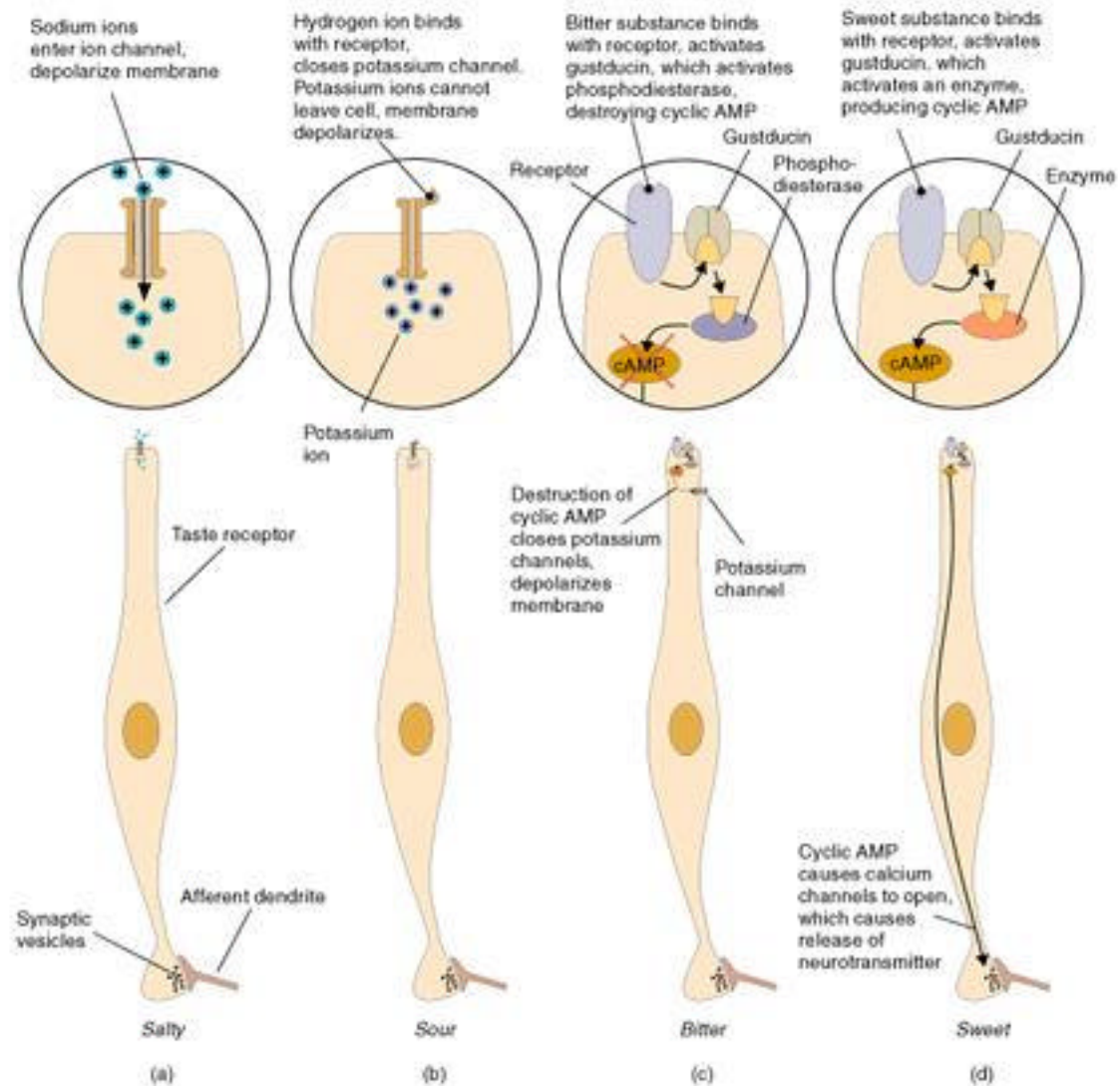
► Neural Circuit That Mediates Opiate-Induced Analgesia



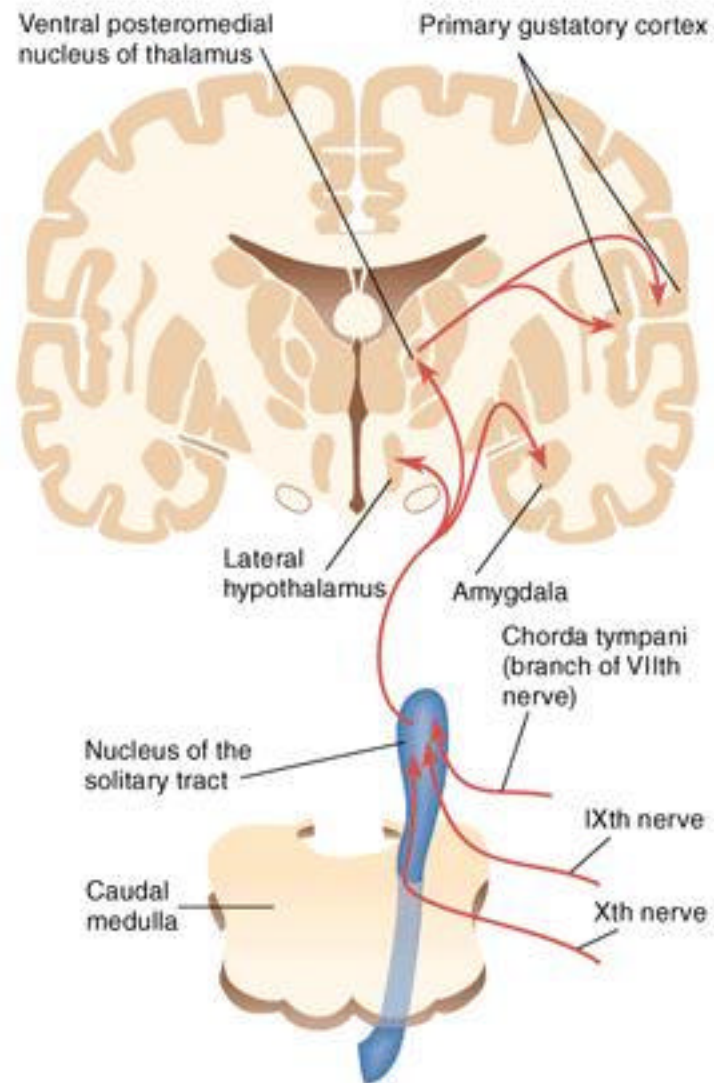
► The Tongue



► Transduction of Taste Information



► Neural Pathways of the Gustatory System



► The Olfactory System

