

9.01 End-of-class Quiz, Nov. 24, 2003

Code Name: _____

- 1) The Organ of Corti in the inner ear – the cochlea – contains the _____ membrane, which vibrates in response to sound. This stimulates the _____ cells, both the inner ones and the outer ones.

 - 2) In the ventral cochlear nucleus, the fibers of the 8th nerve terminate in topographic order corresponding to their origins in the cochlea. The result is a _____ map, which means an orderly map of different _____ of sound.

 - 3) Auditory information reaches the medial _____ body of the thalamus.
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- 4) **NOT USED:** Electrophysiological studies in the _____ (species) found evidence for coincidence detectors in nucleus laminaris, which corresponds to the medial superior olive in the mammal. The coincidence detection results in a map of _____.

 - 5) **NOT USED:** Neurons in auditory neocortical areas respond best to what aspect of sound stimuli? _____.