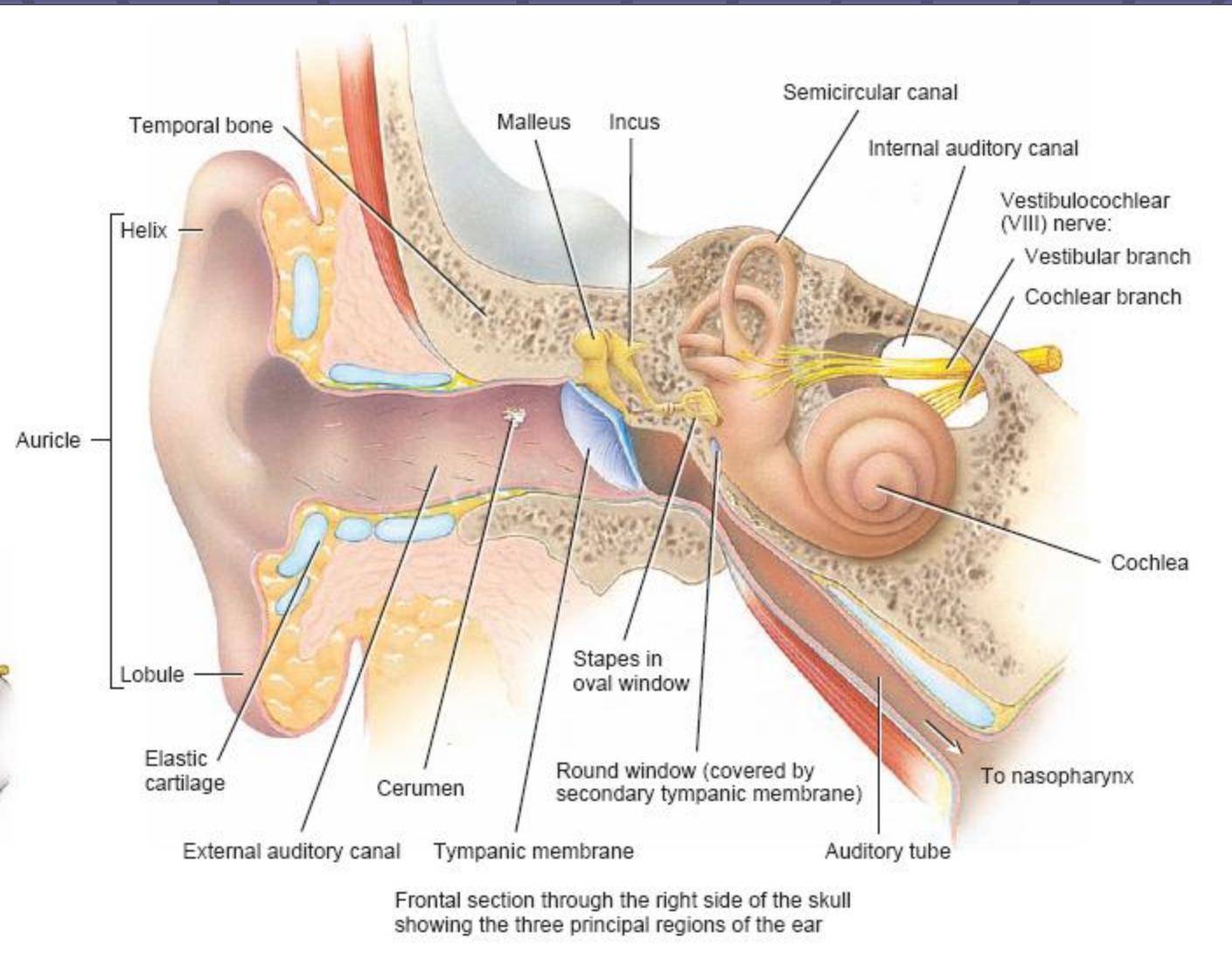


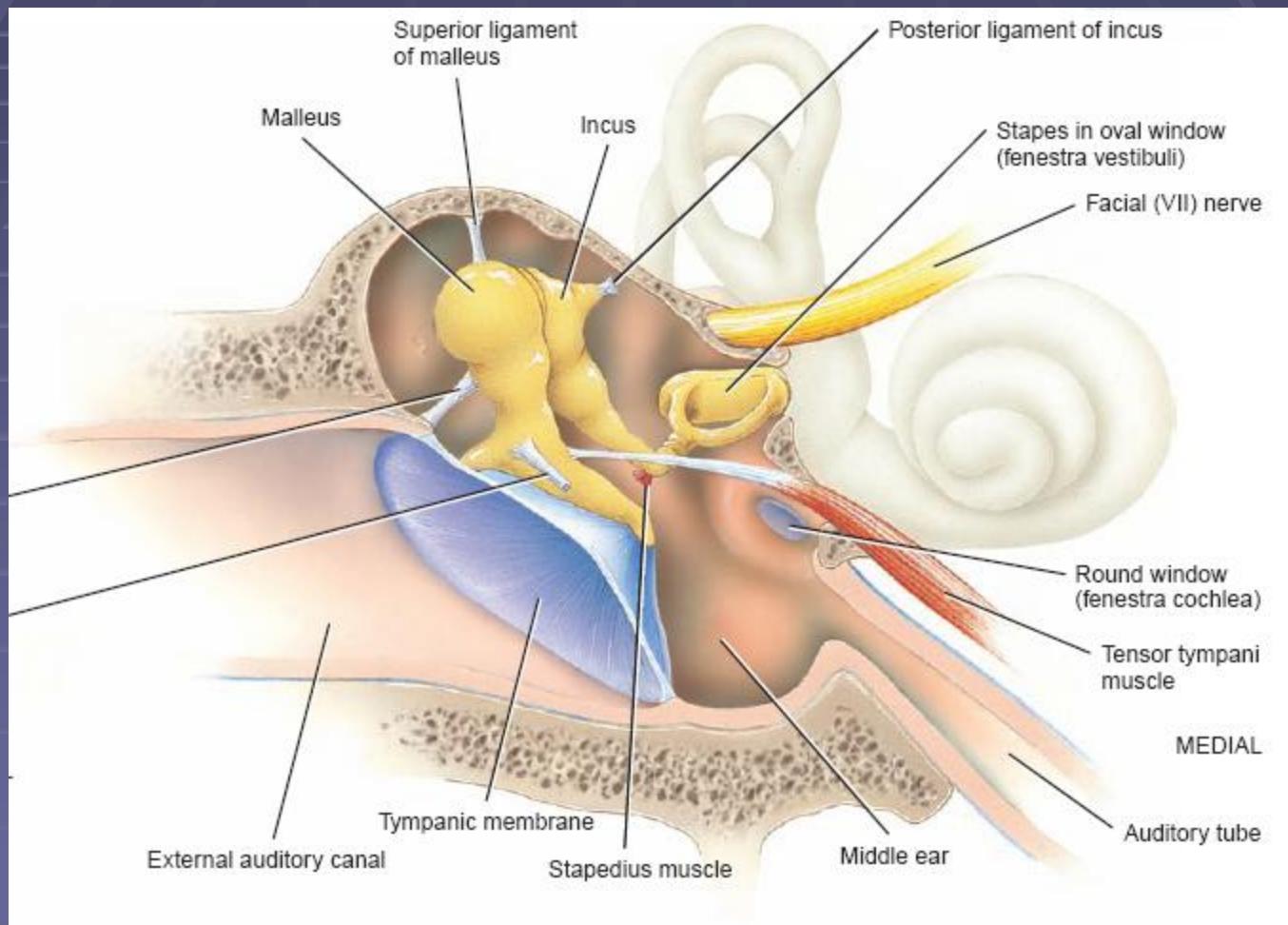
The Special Senses

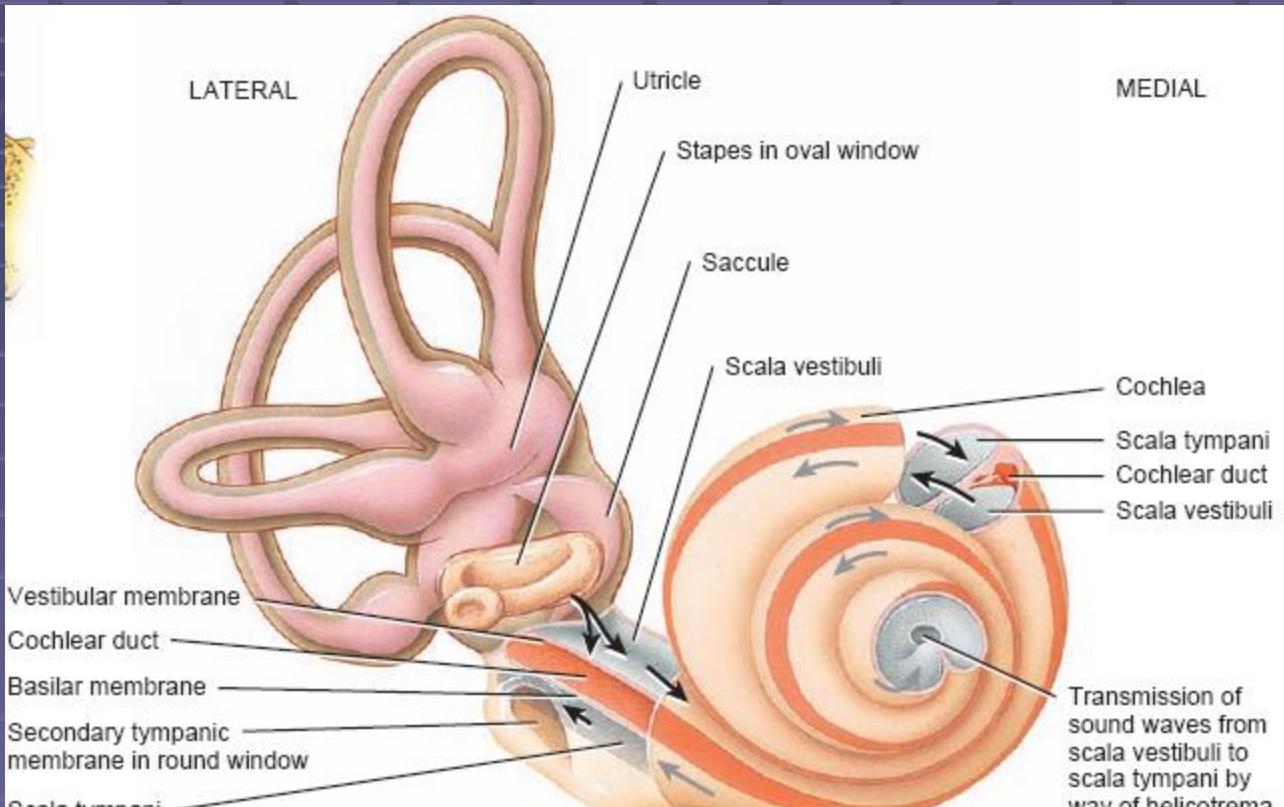
3) Auditory

Anatomy of the ear

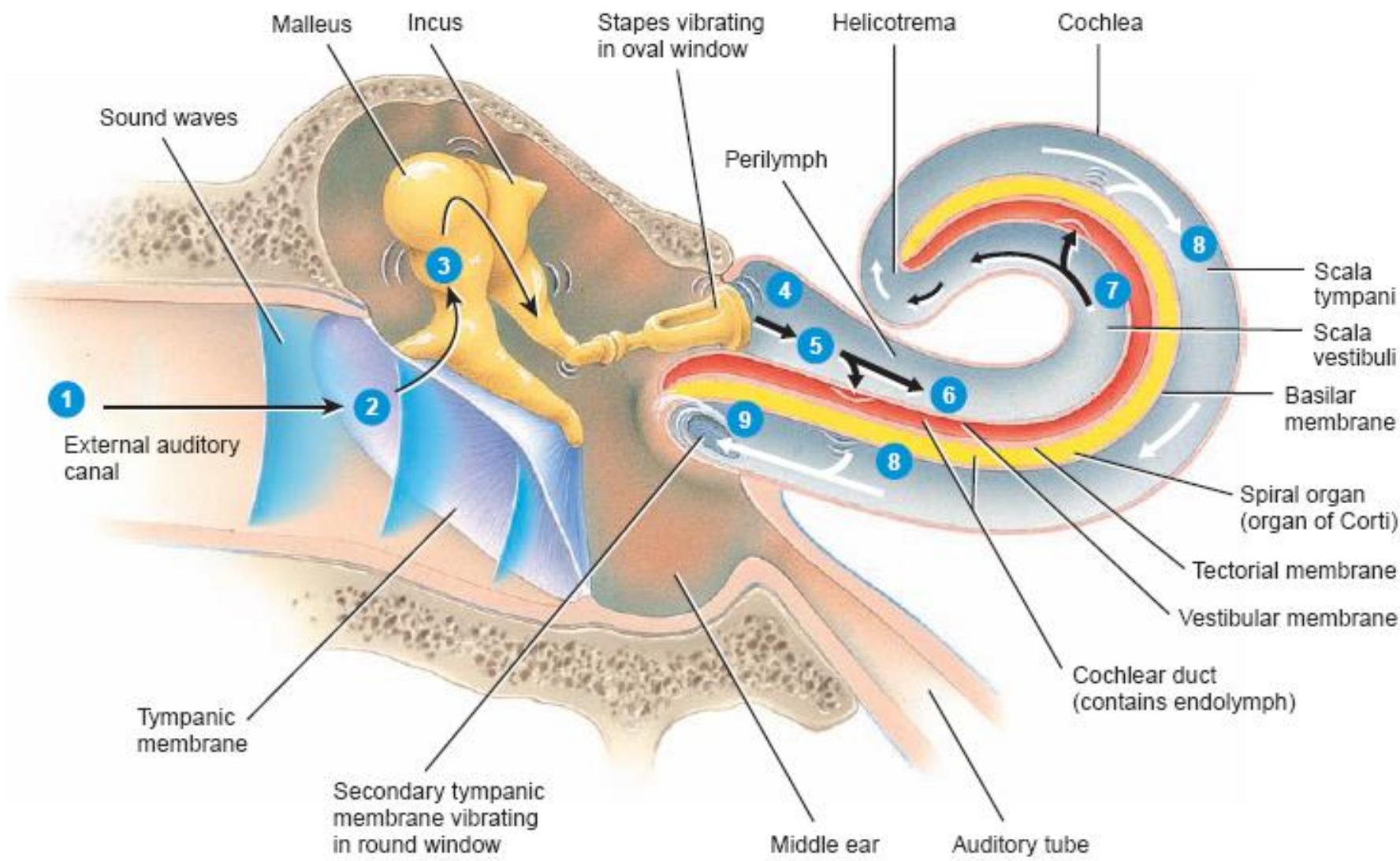


Anatomy of the ear

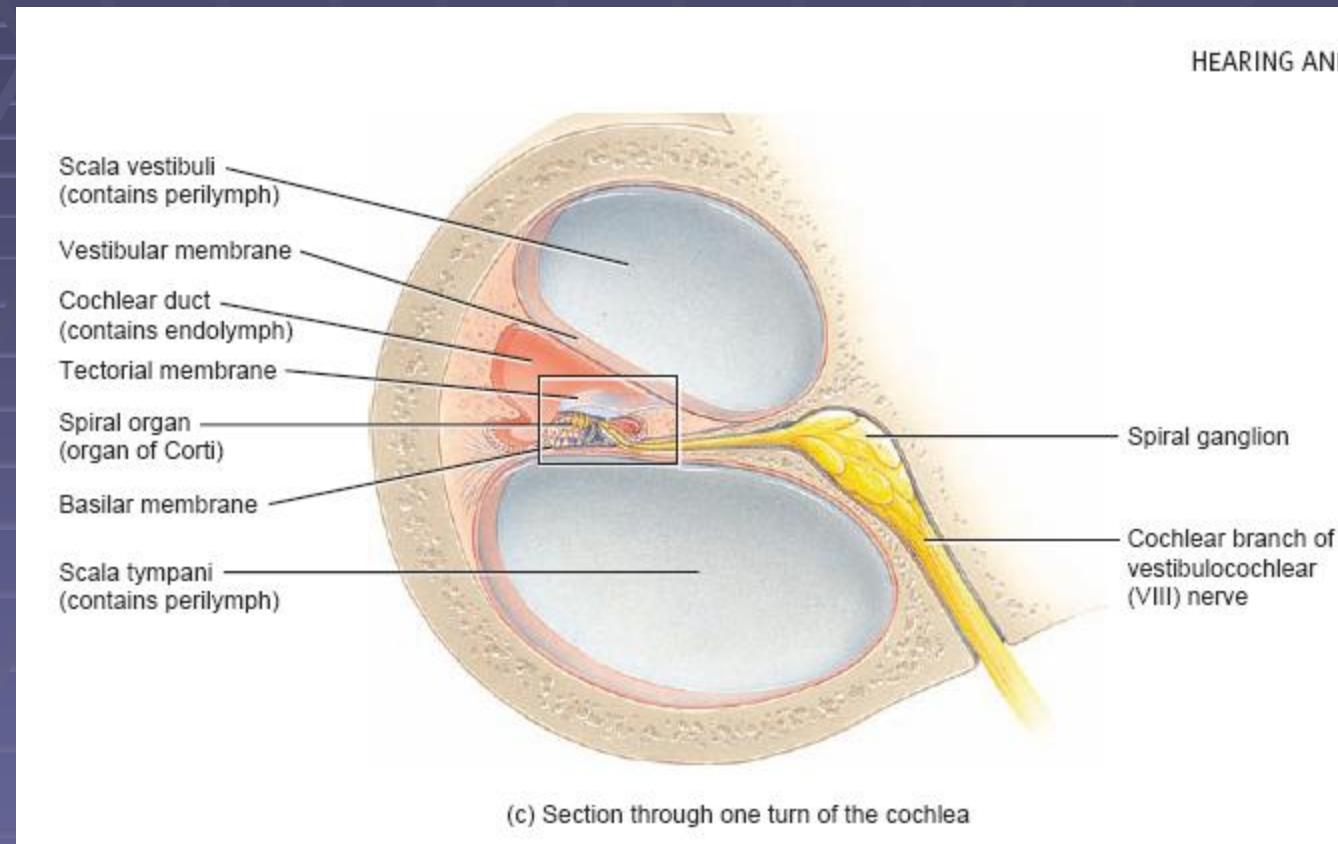


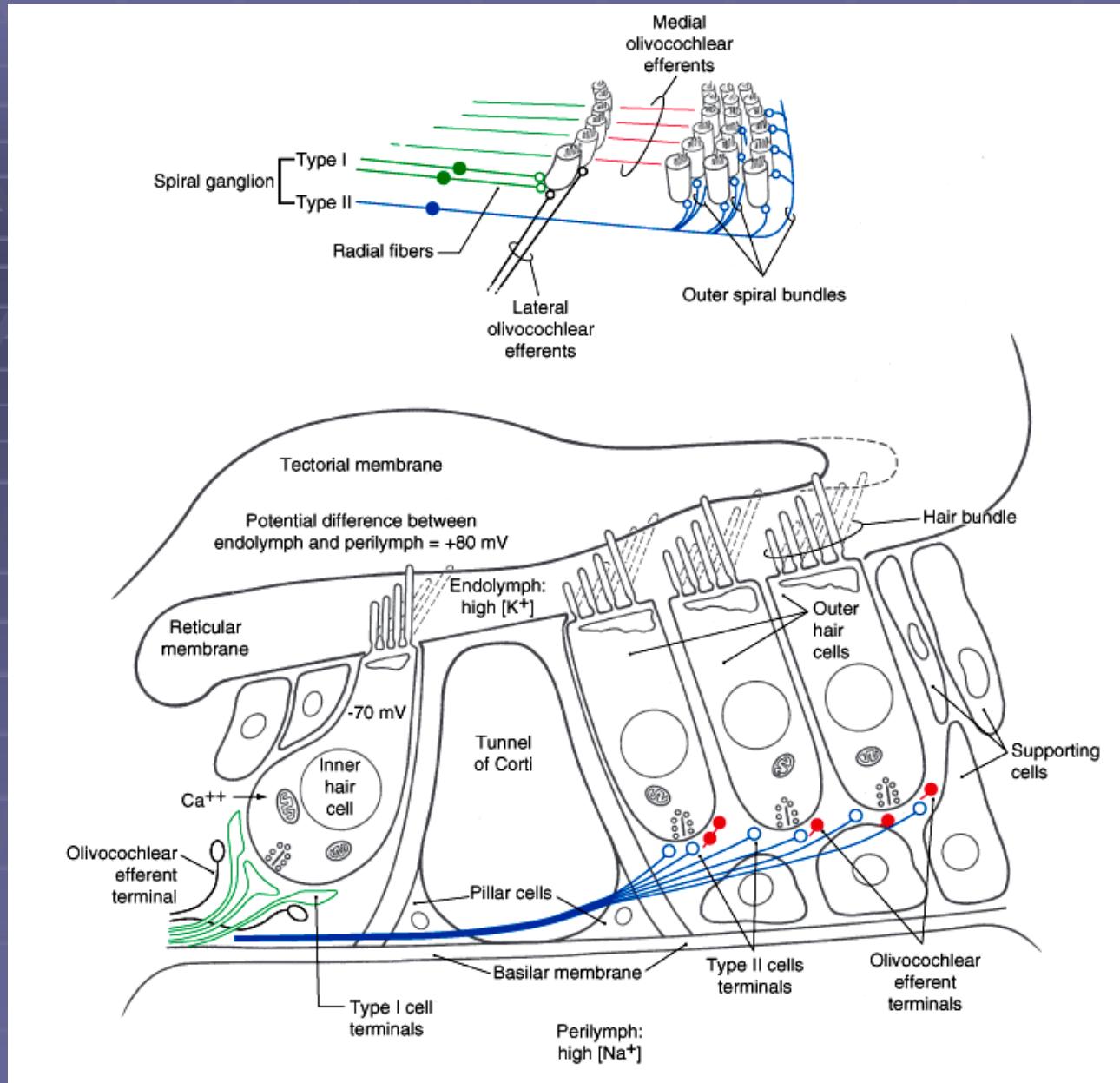


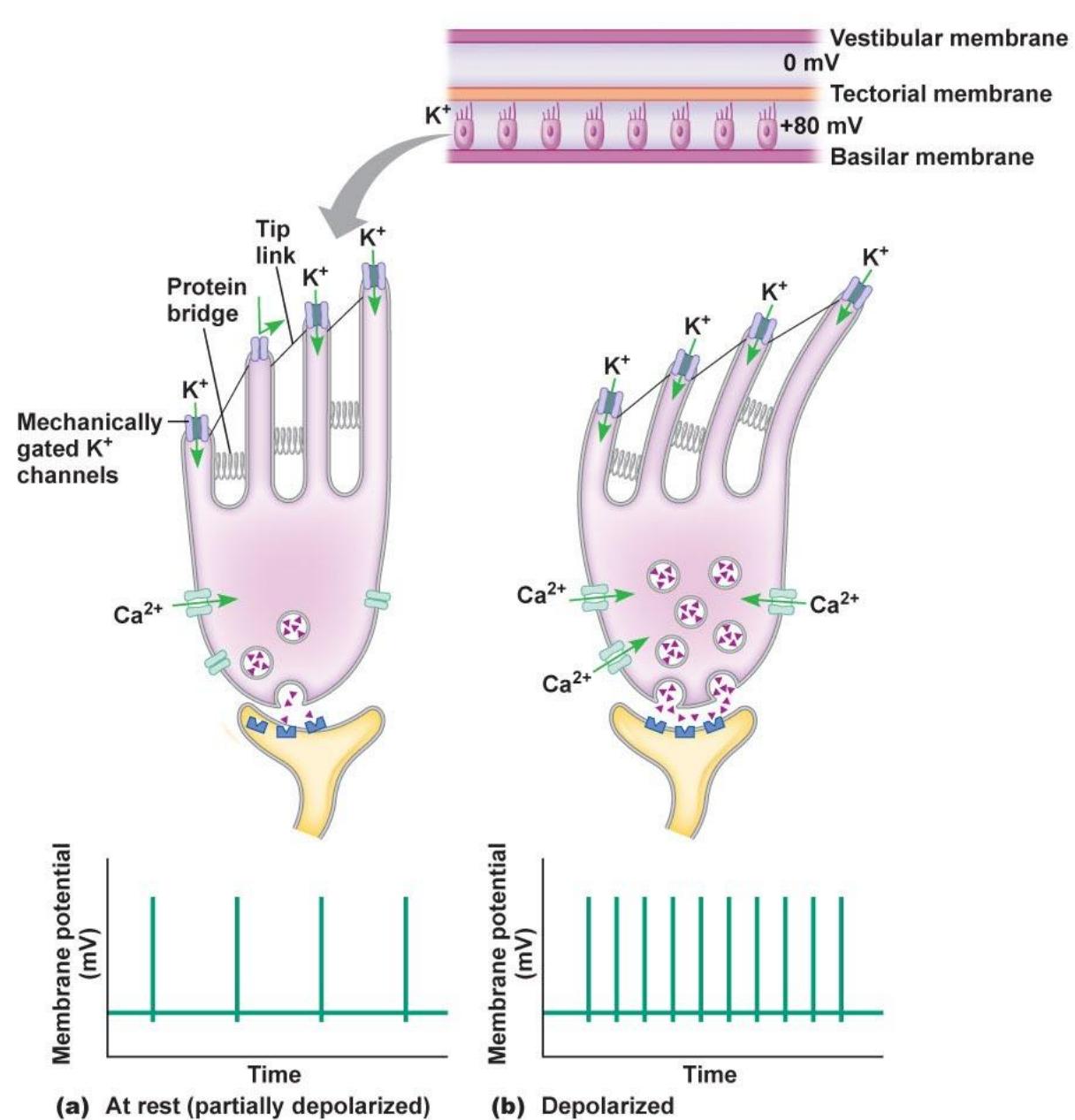
(a) Sections through the cochlea

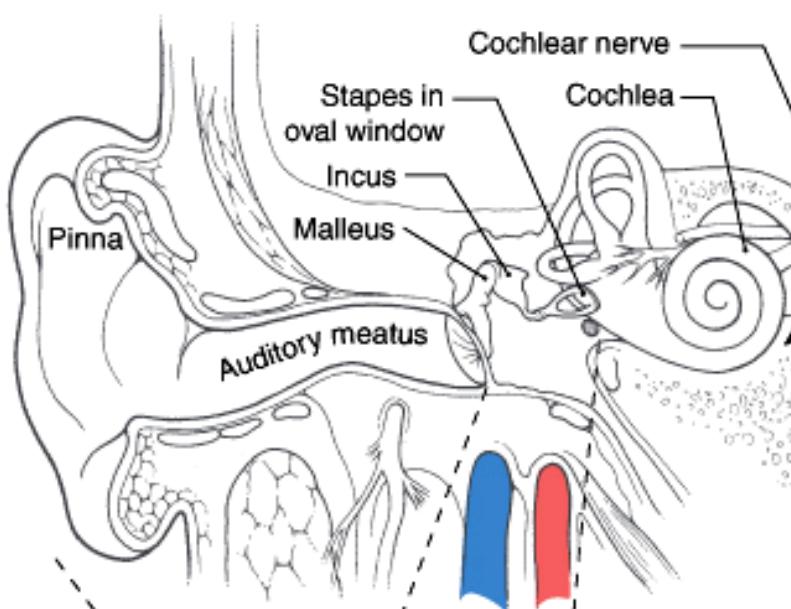


HEARING AND



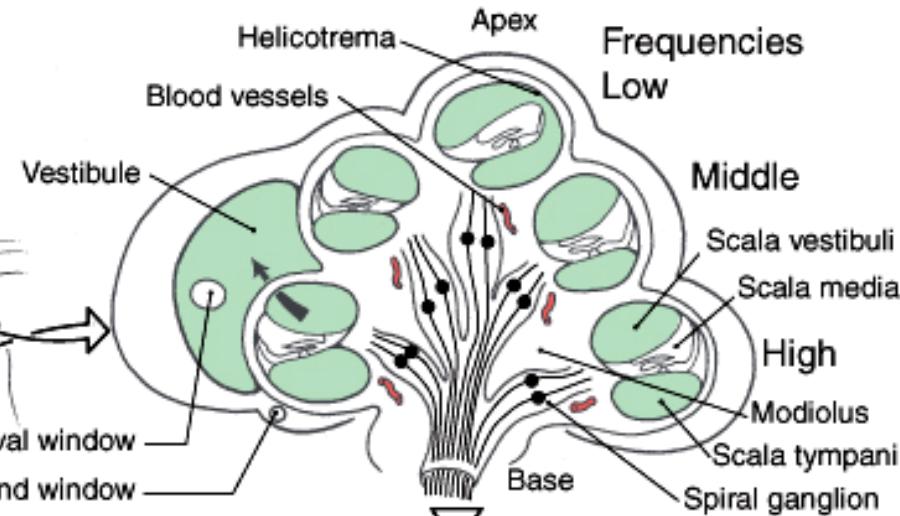




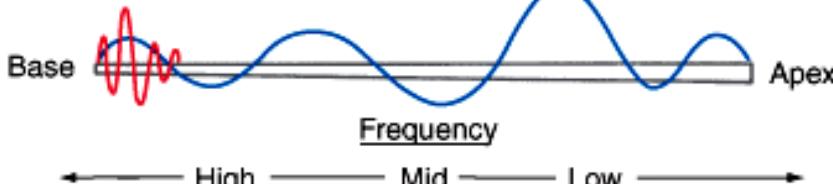
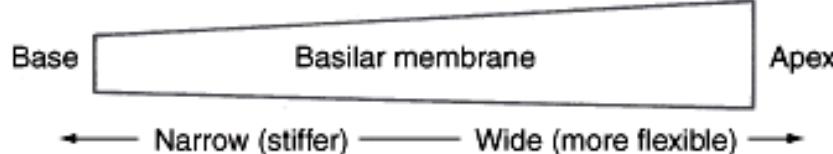


Region	External ear	Middle ear	Inner ear
Function	Collection of sound	Impedance matching and amplification	Transduction and signal analysis

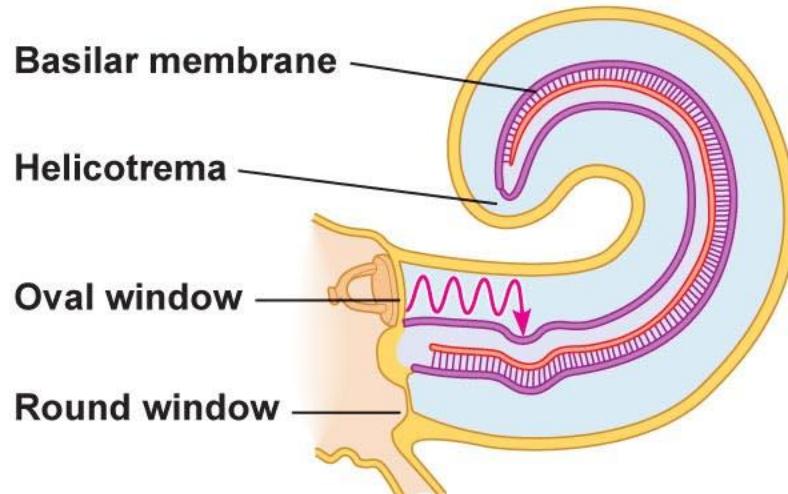
A



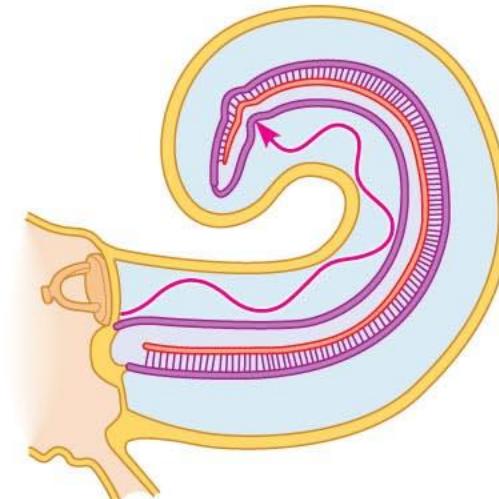
B



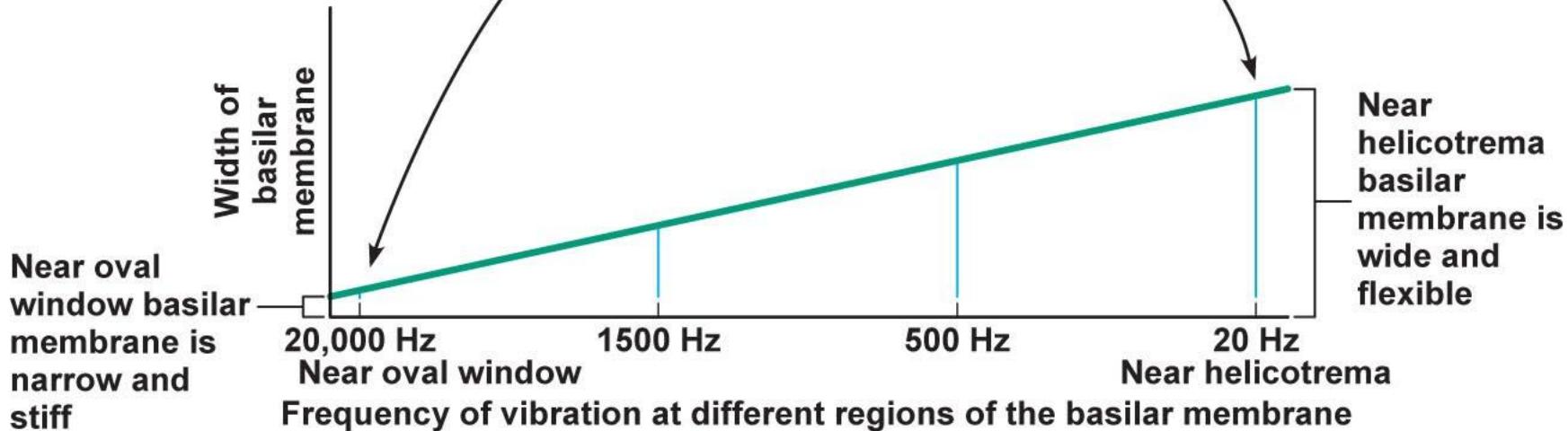
C

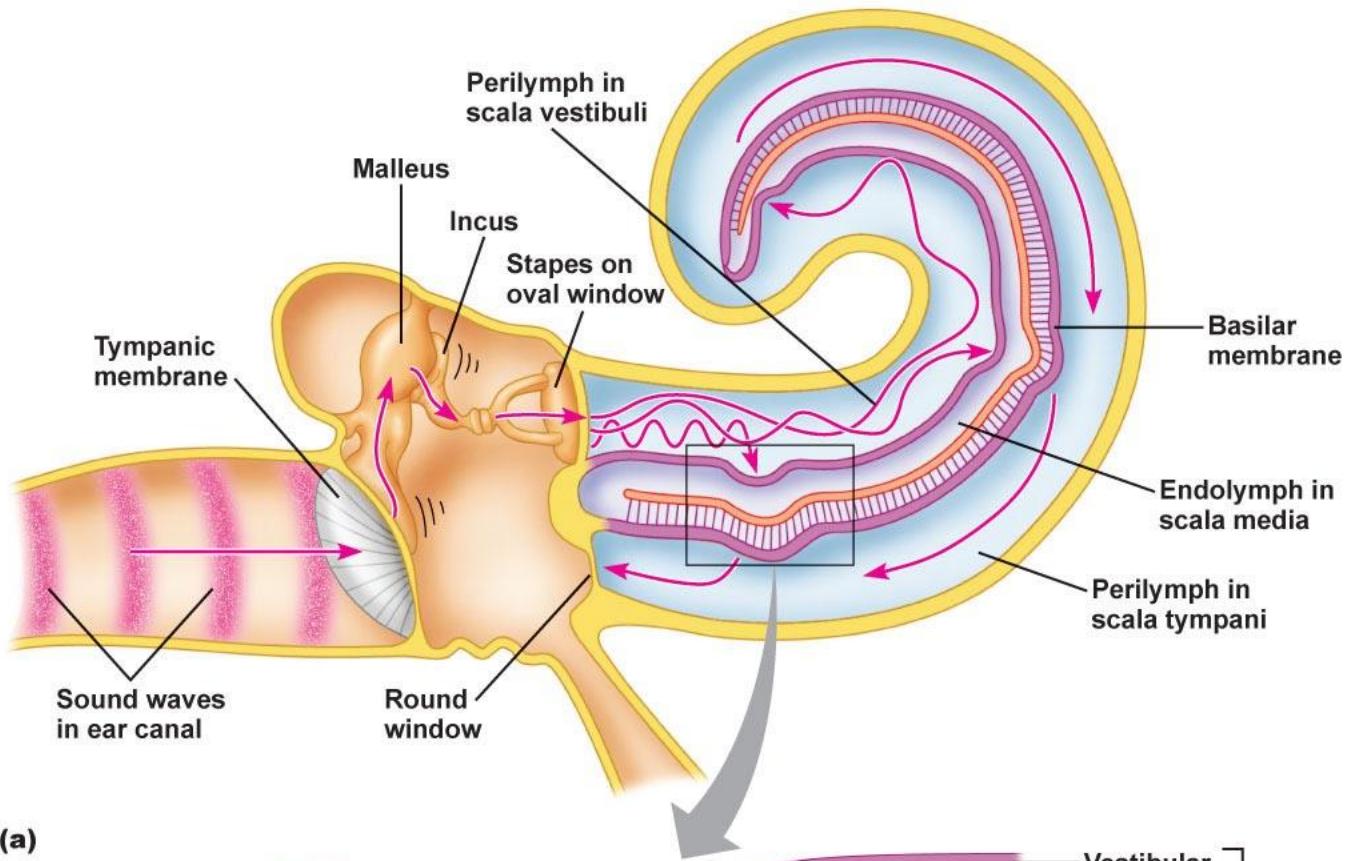


High-frequency sound

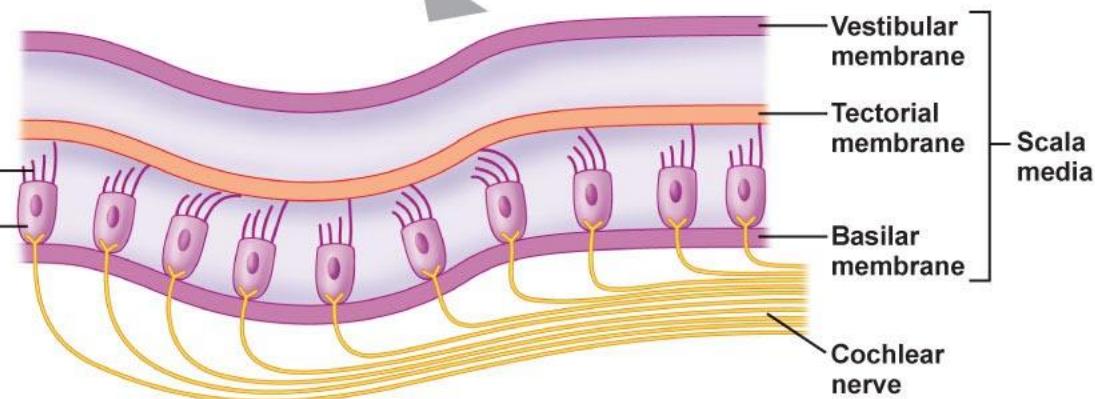


Low-frequency sound

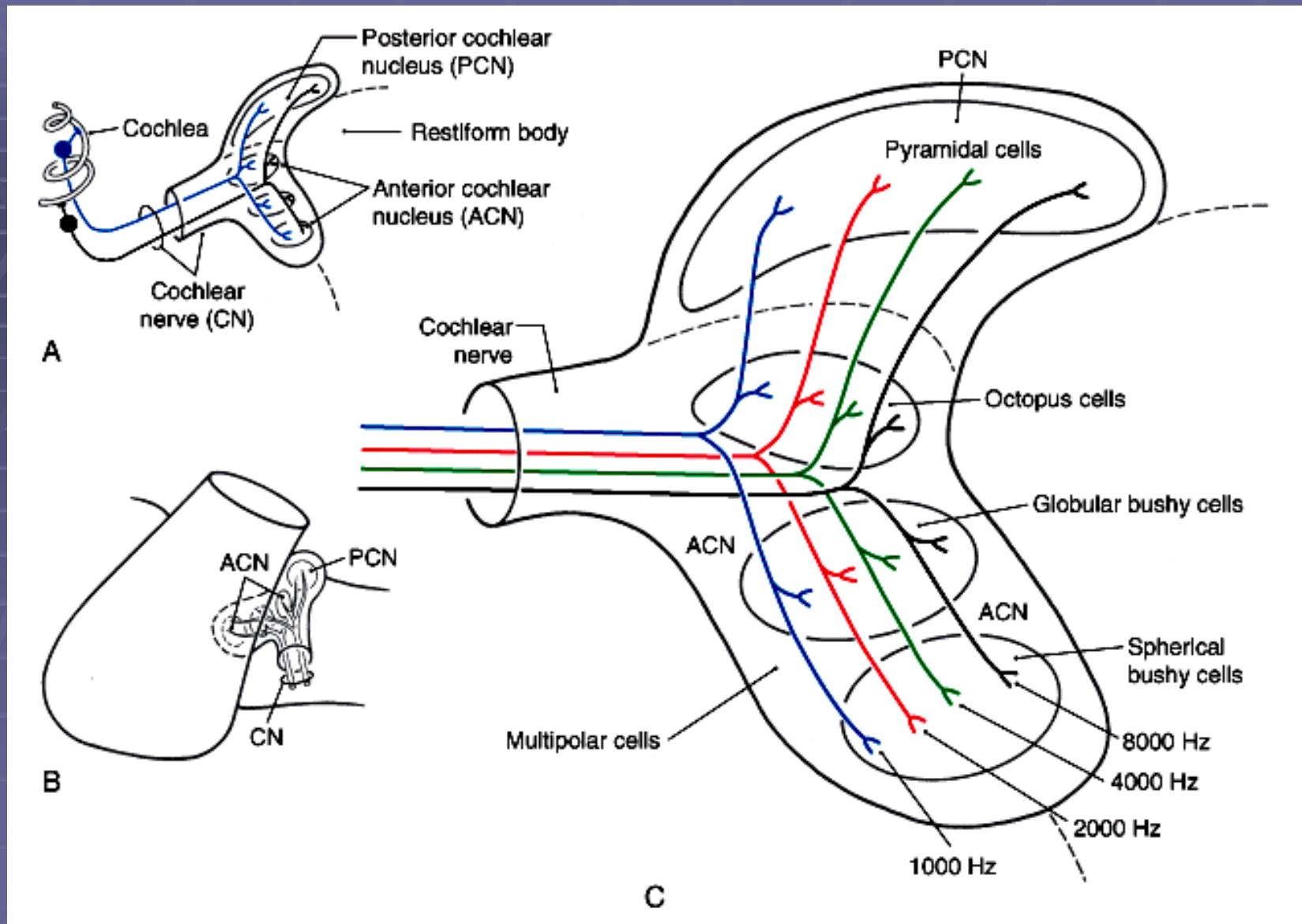




(a)

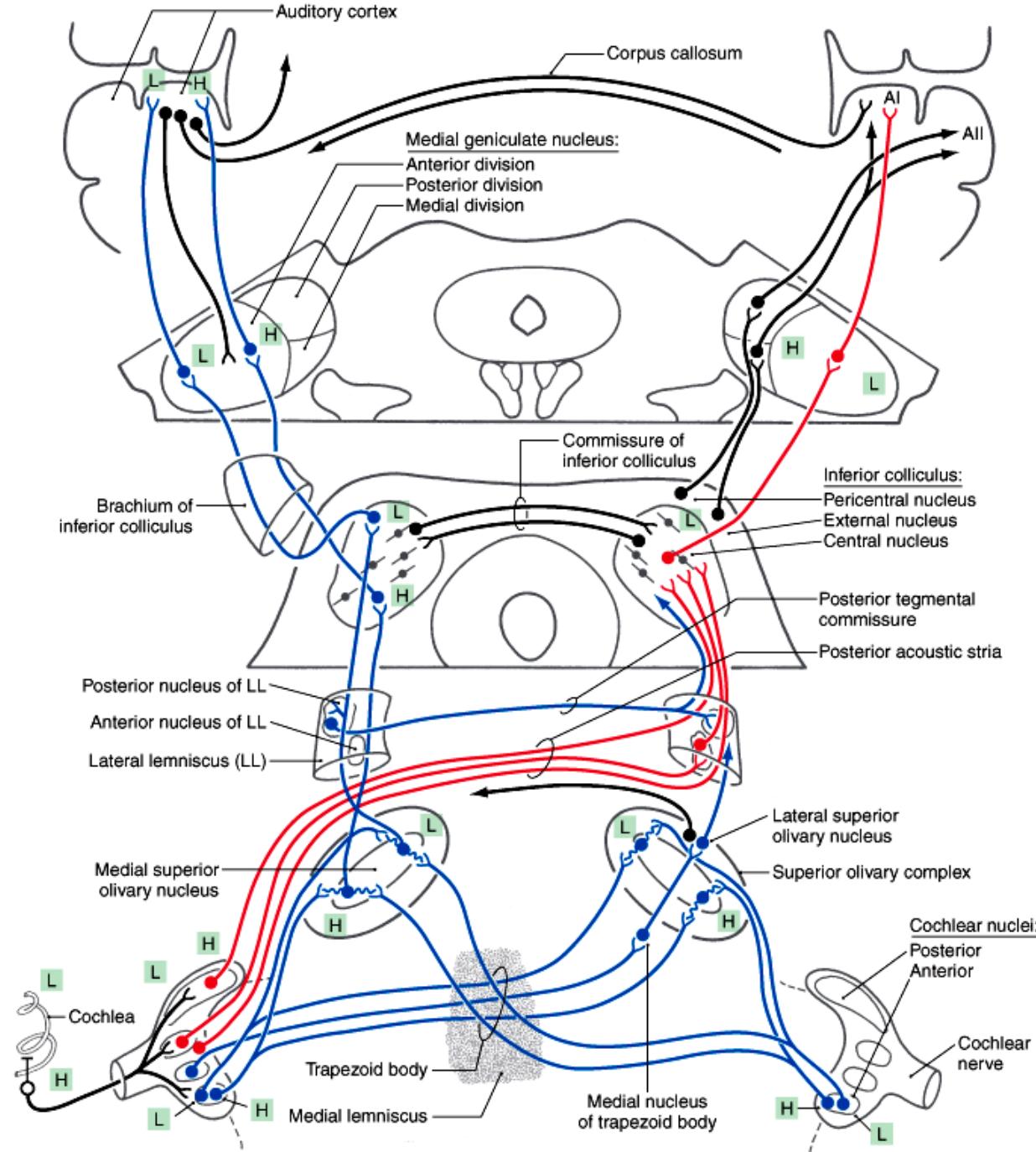


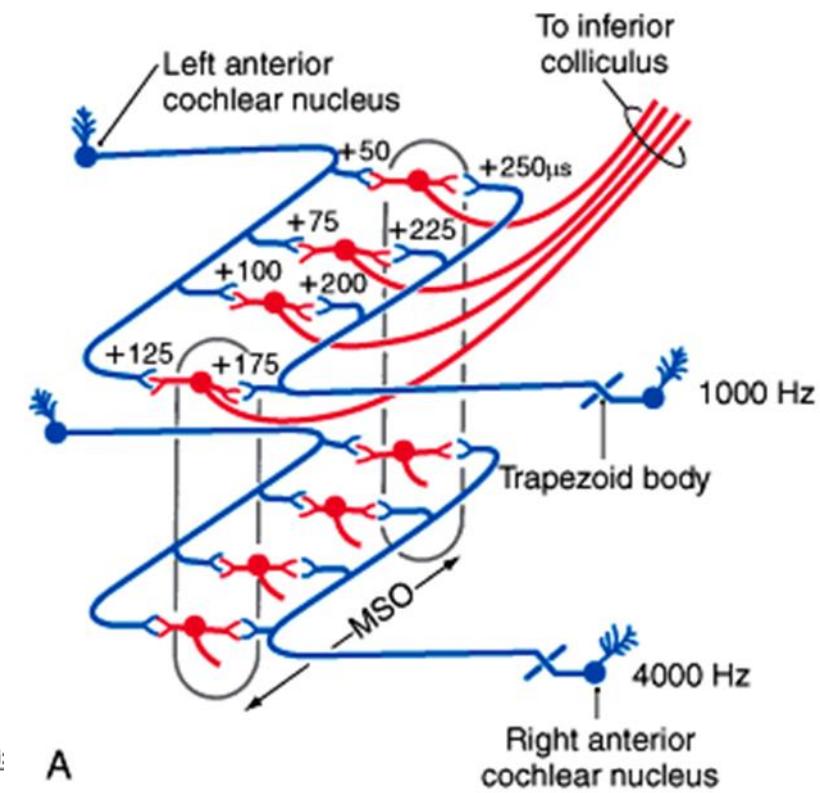
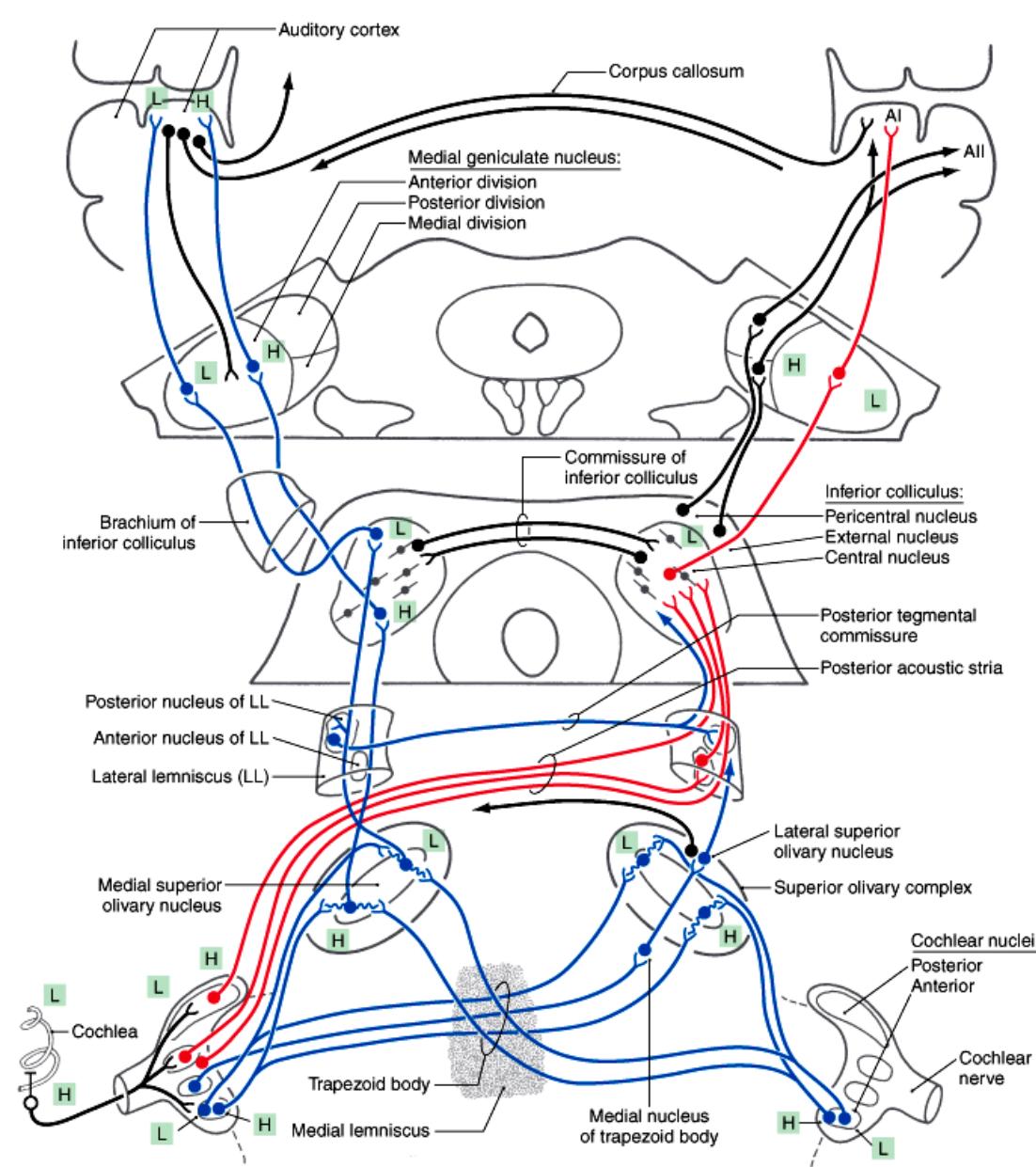
(b)

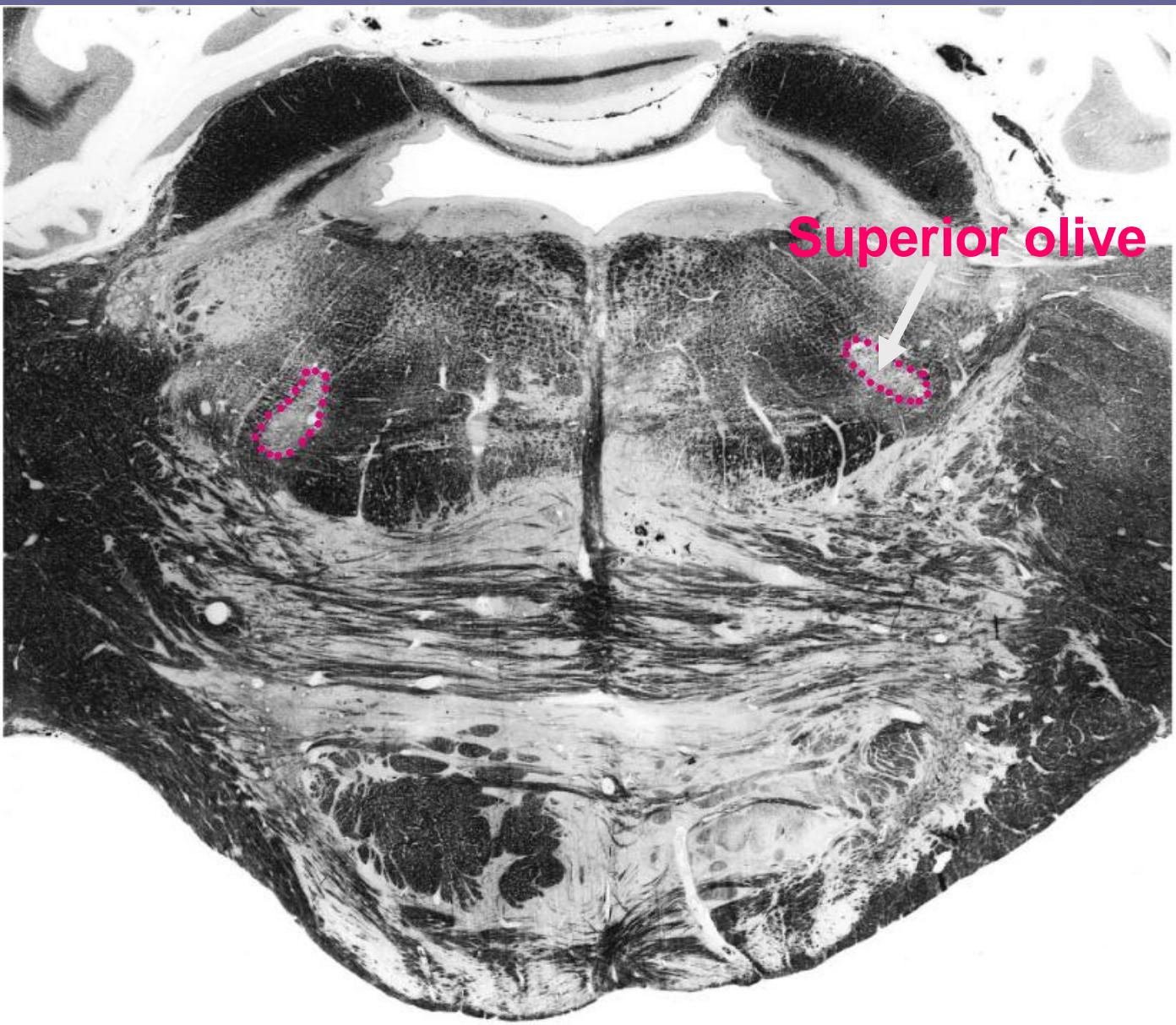


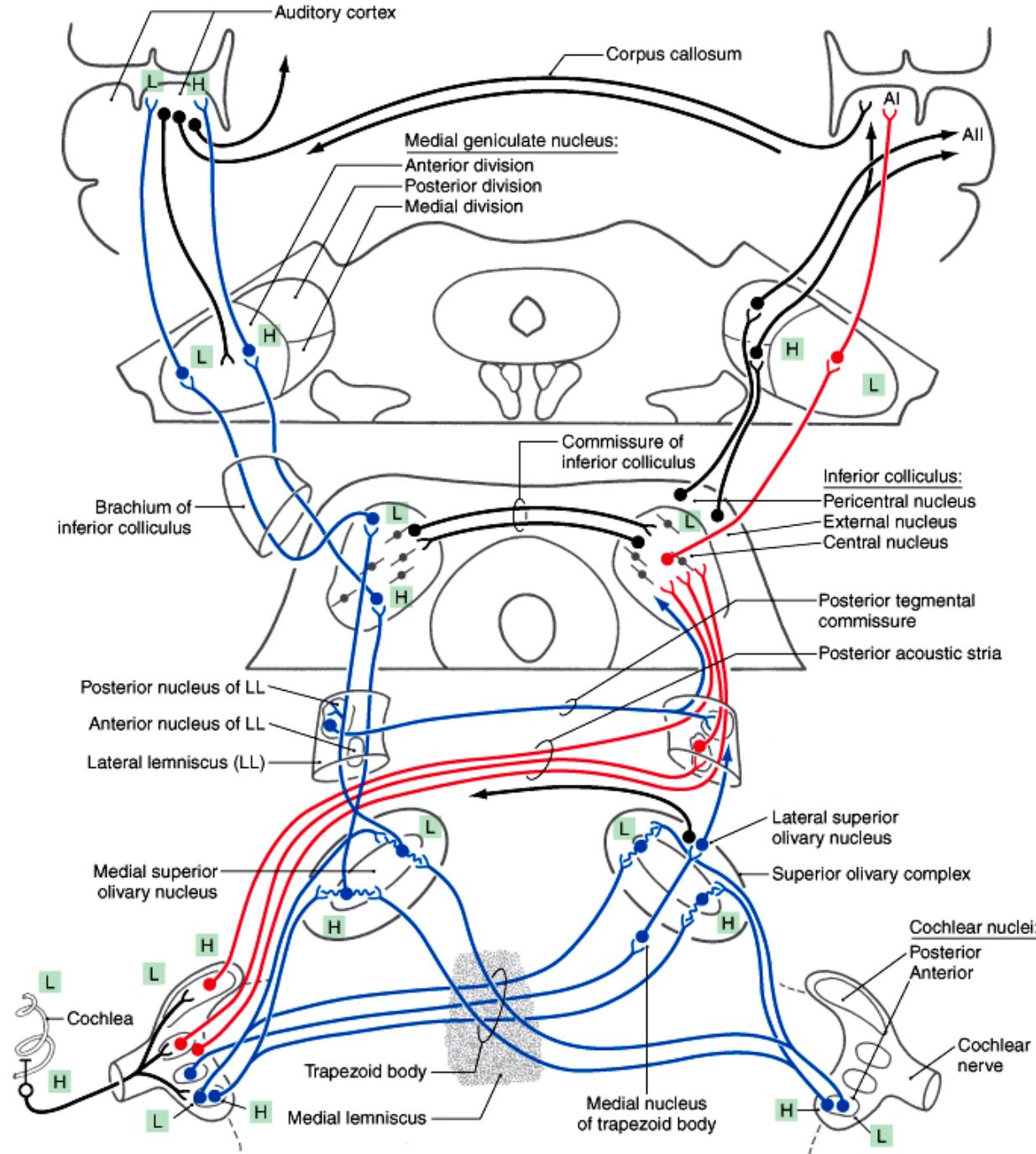


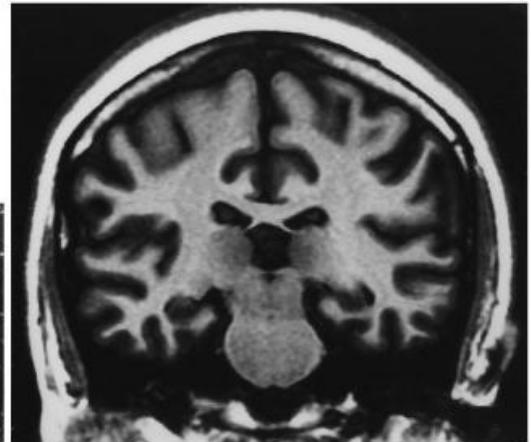


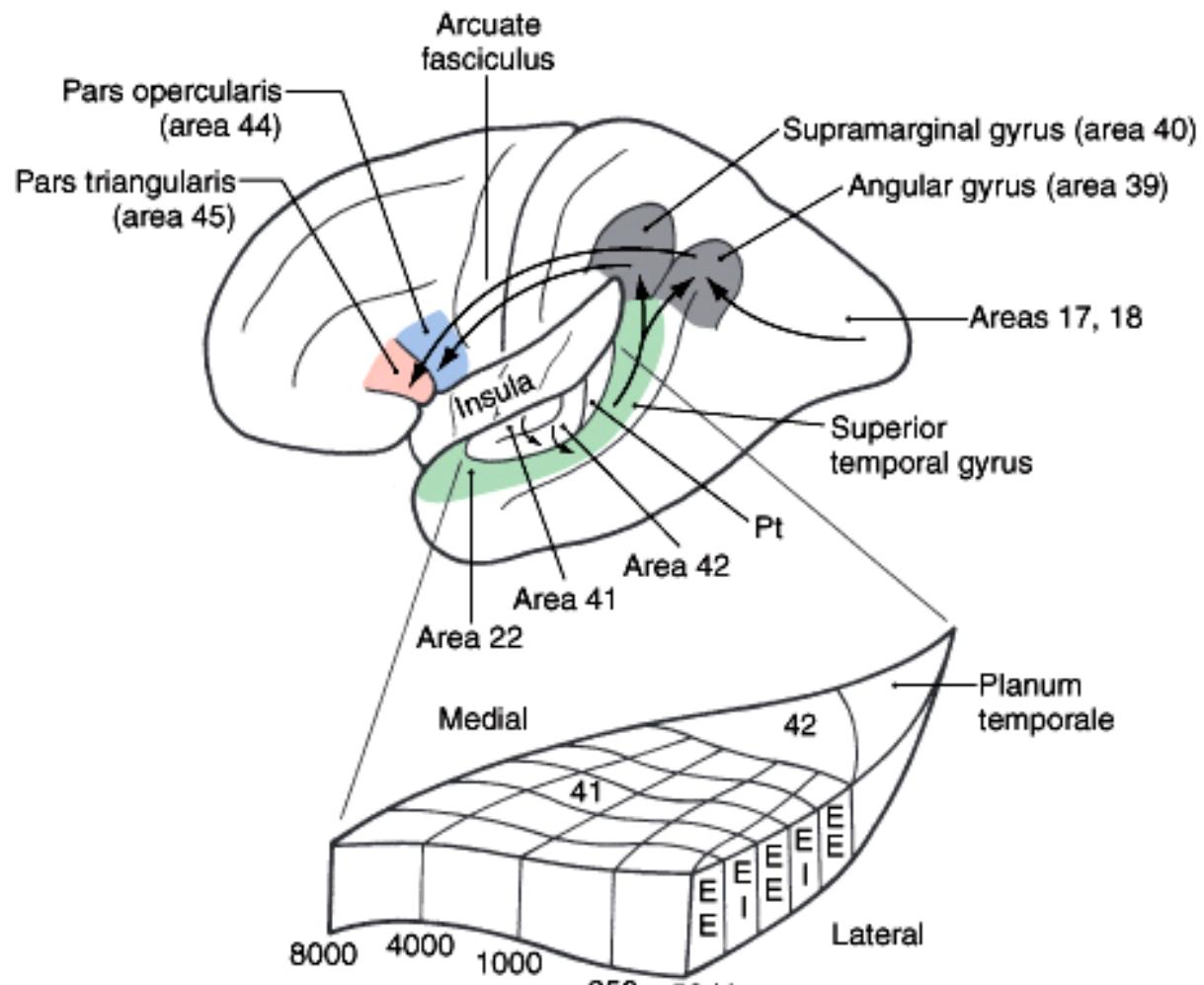




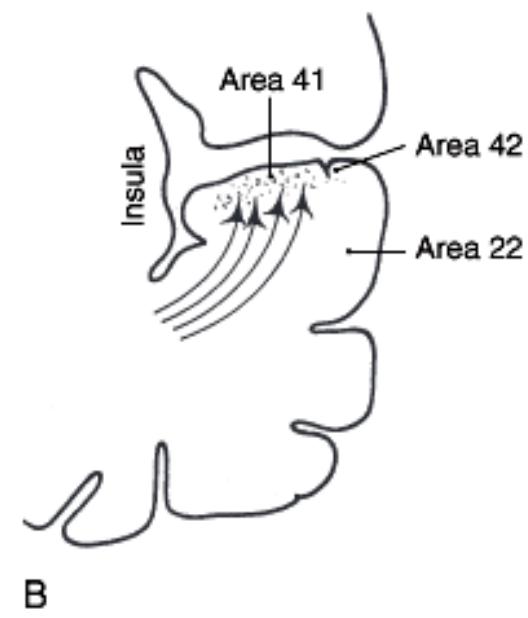




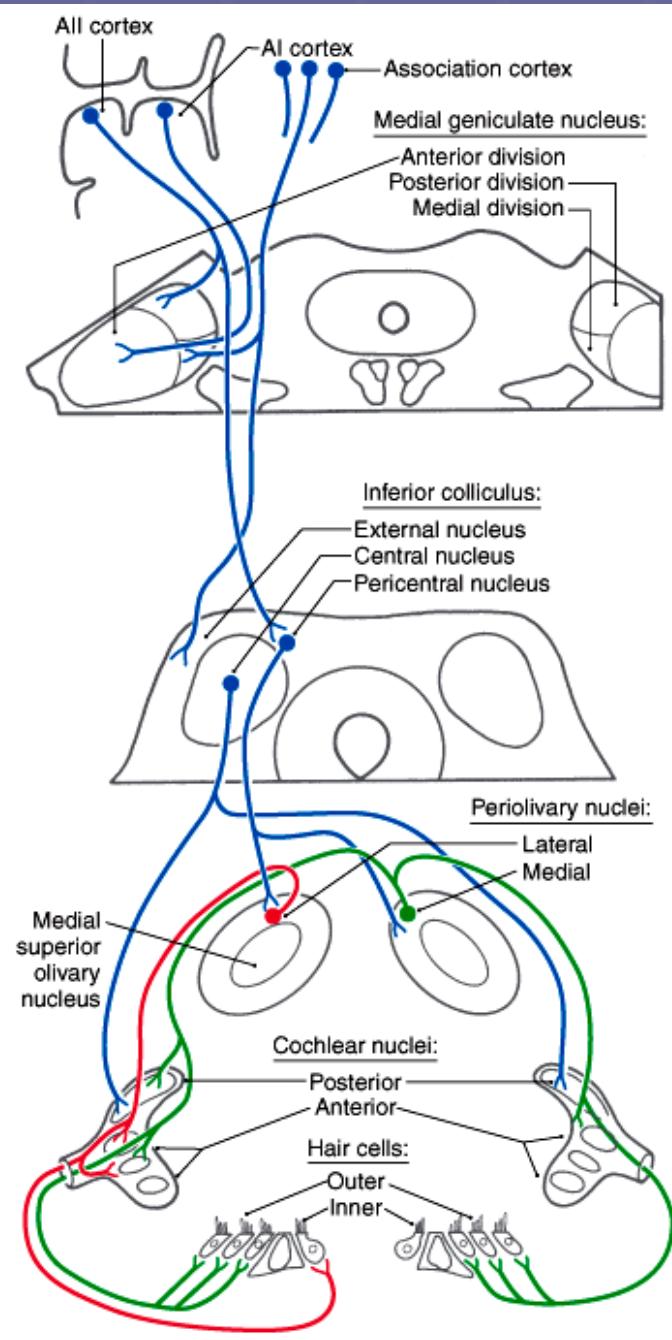




A

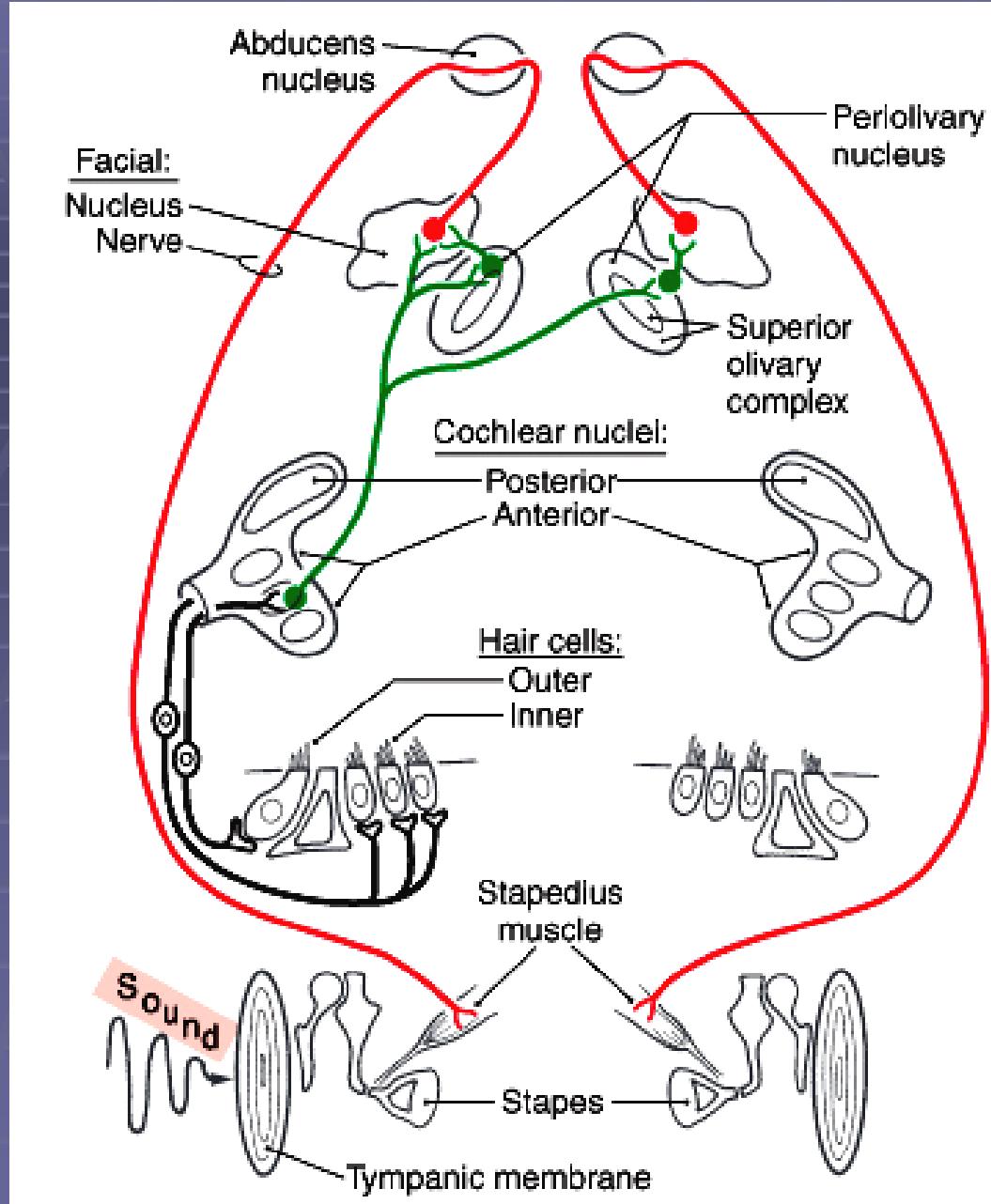


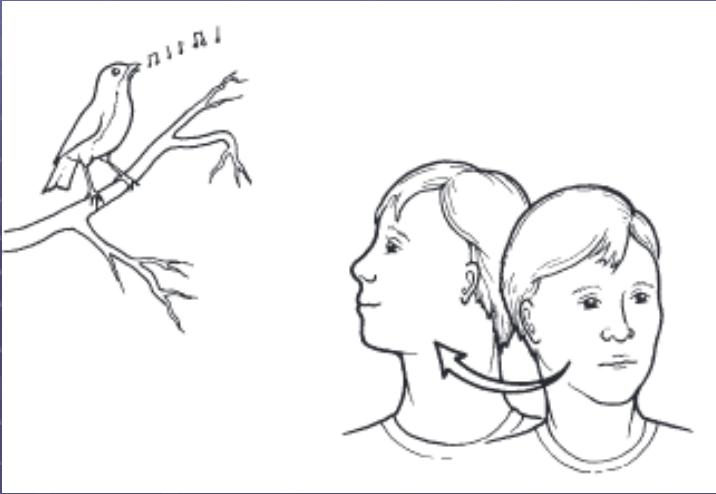
B



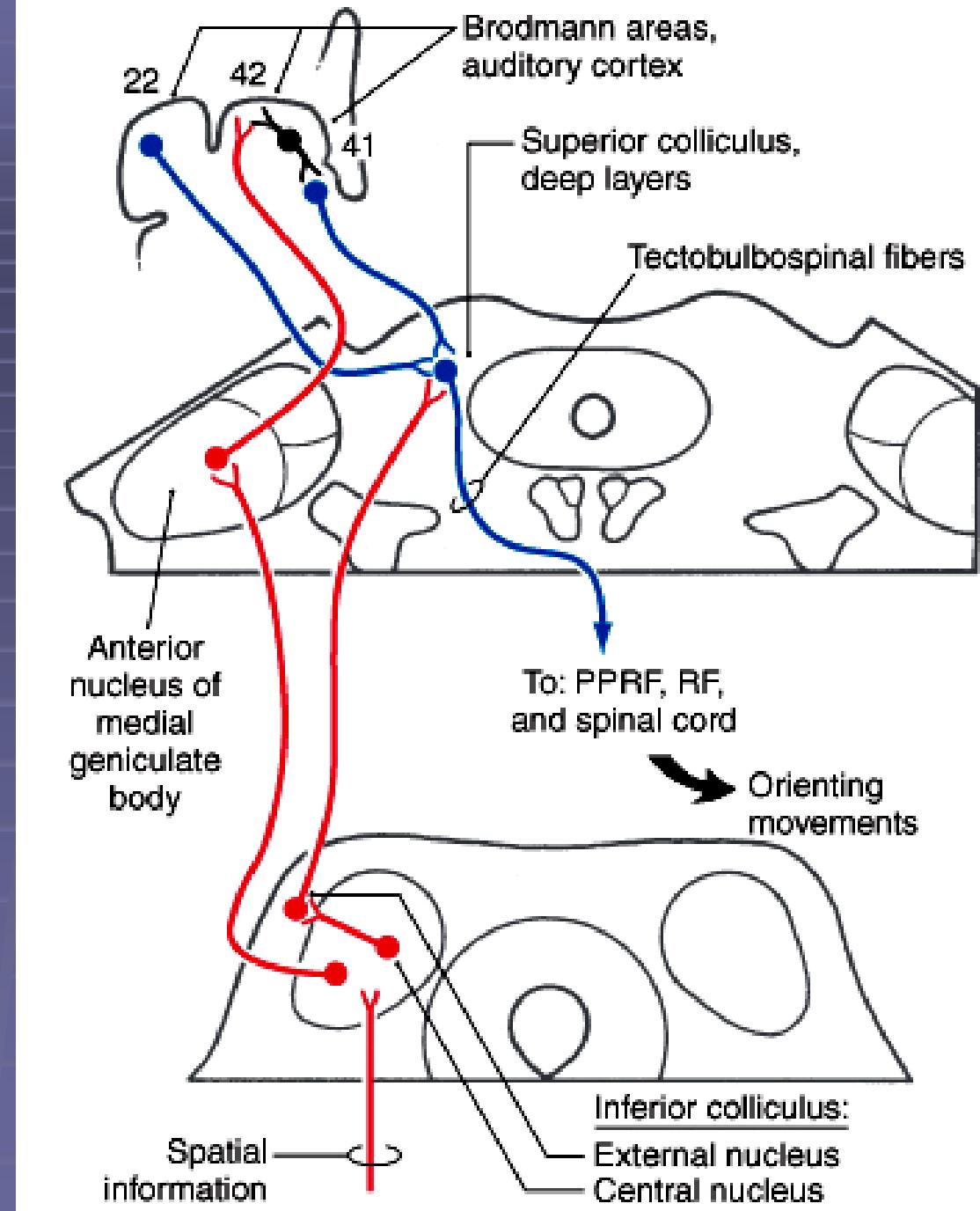
Olivocochlear descending feedback loop

Middle ear reflex arc



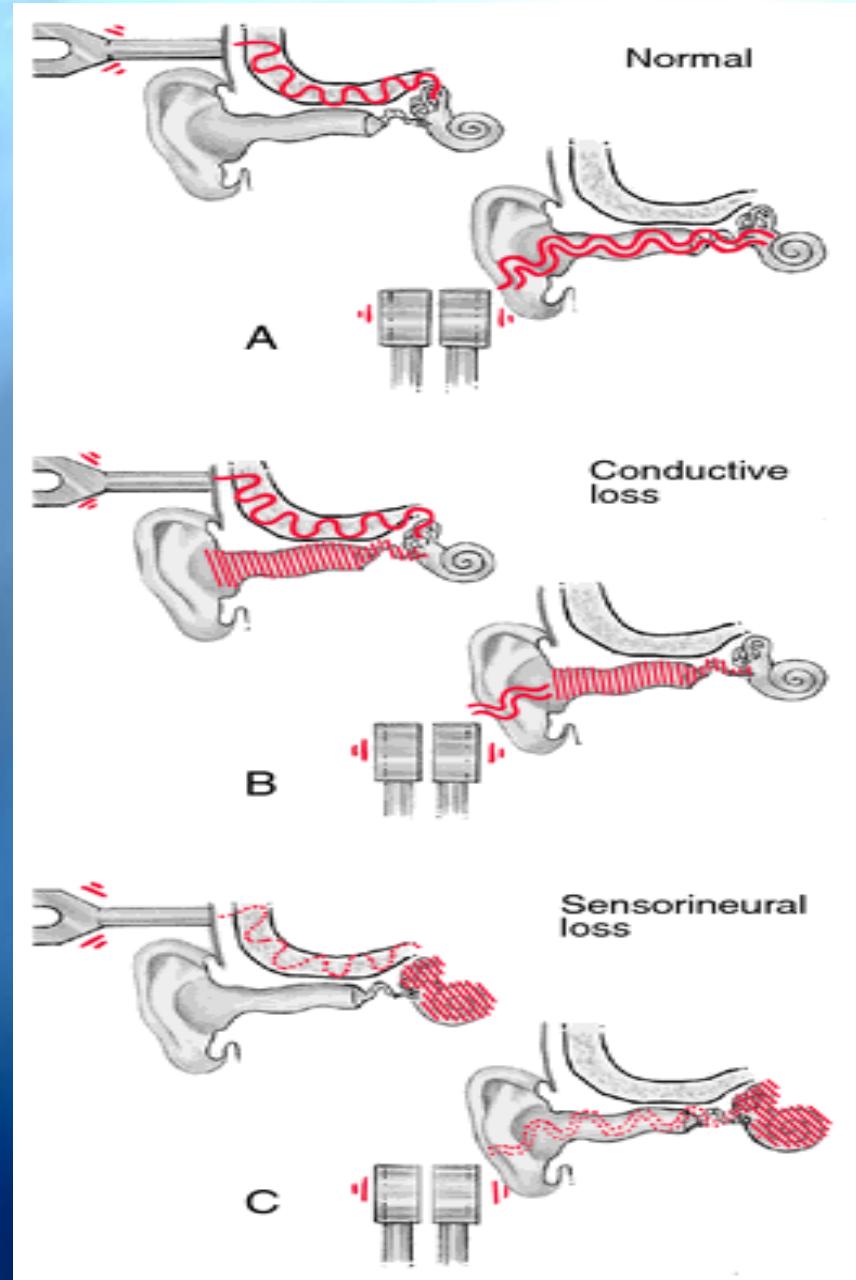


Acoustic startle reflex



Rinne and Weber Tests

Rinne's test



Weber's test

