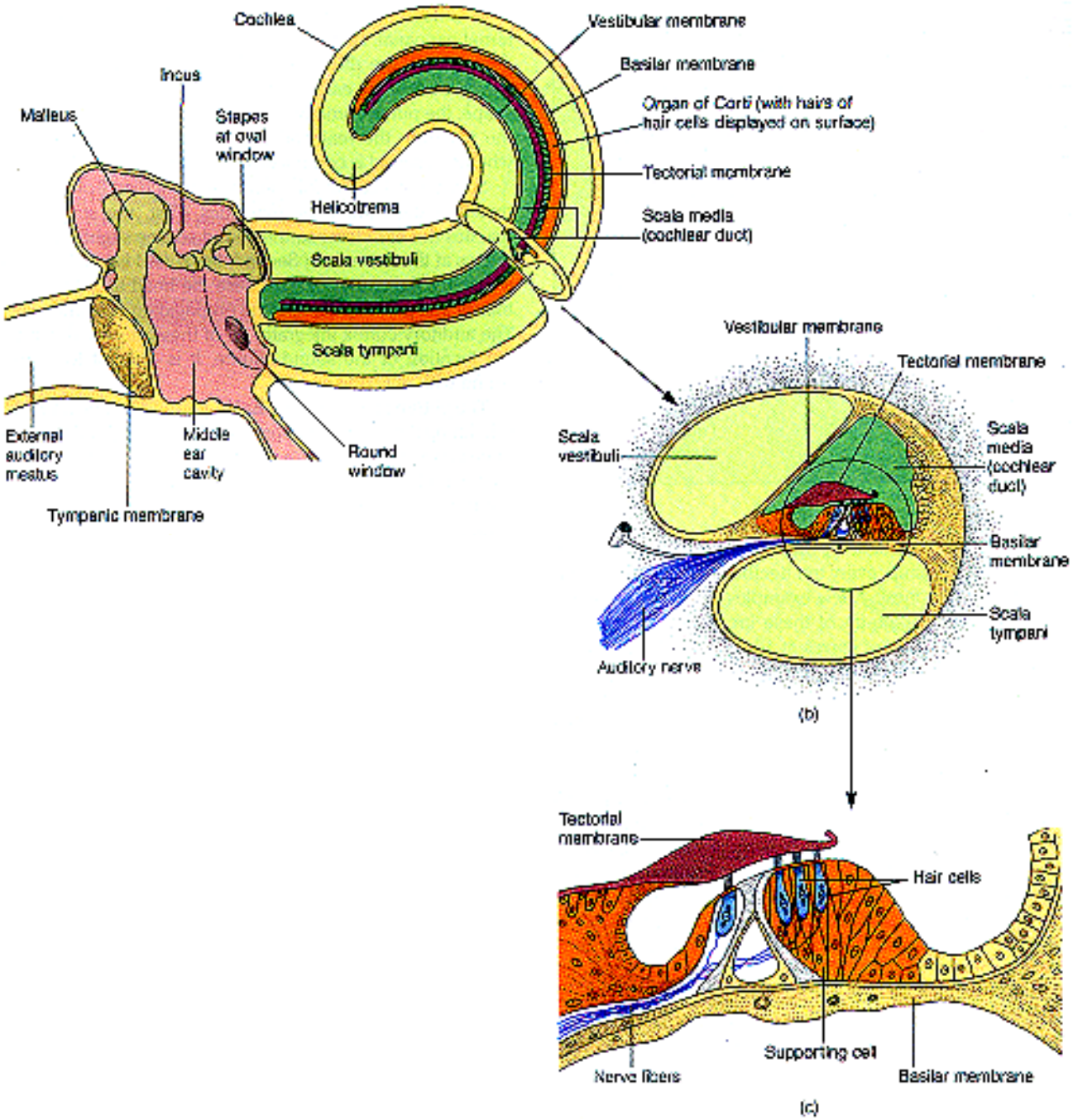
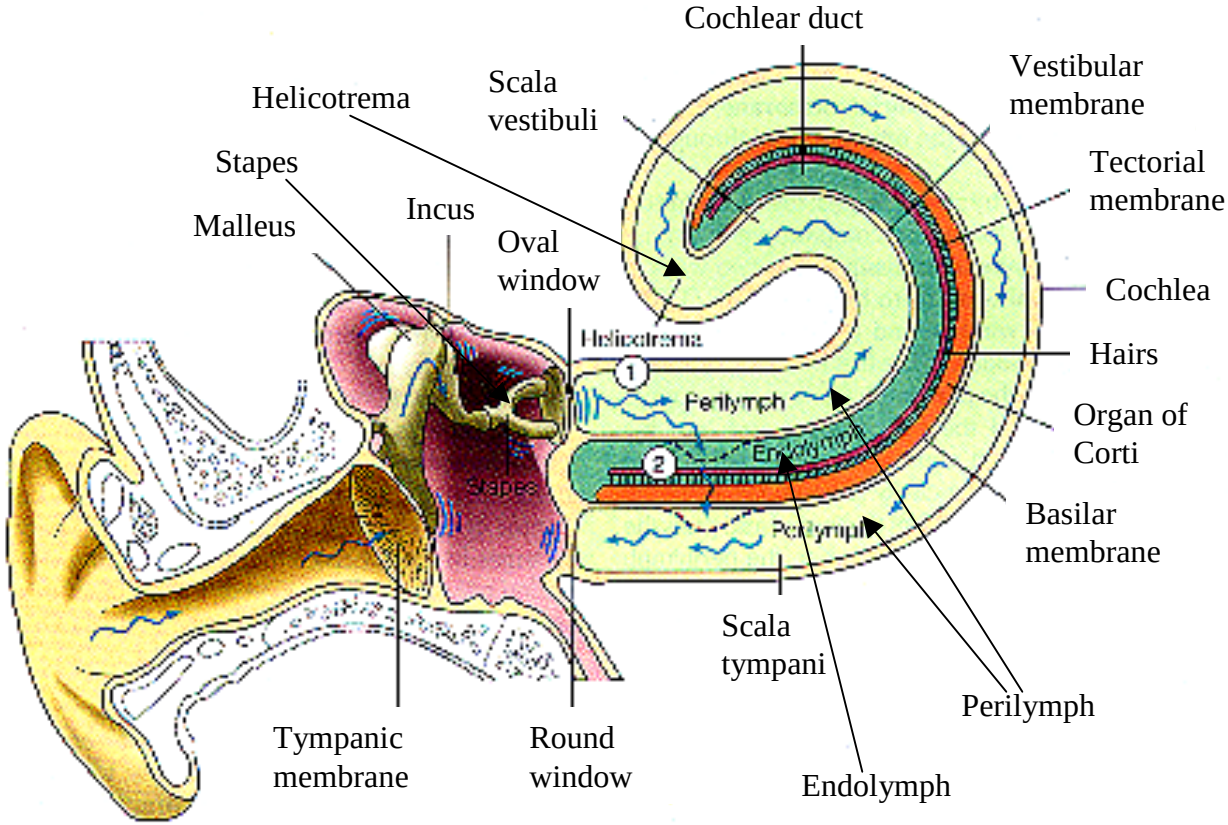
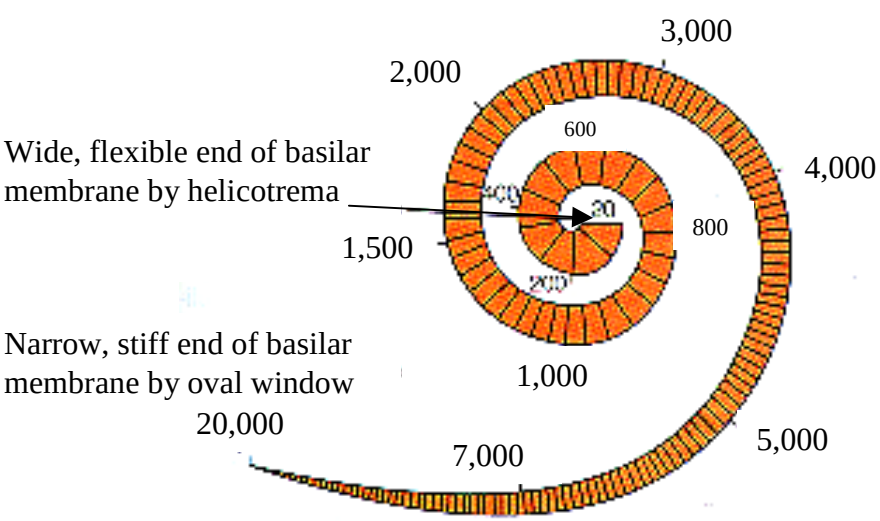
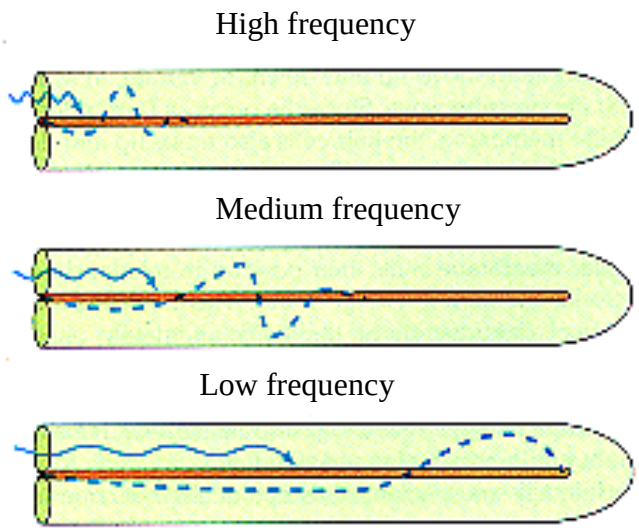

Cochlea
Vestibular membrane
Basilar membrane
Organ of Corti (with hairs of hair cells displayed on surface)
Tectorial membrane
Scala media (cochlear duct)
Incus
Malleus
Stapes at oval window
Helicotrema
Scala vestibuli
Scala tympani
External auditory meatus
Middle ear cavity
Round window
Tympanic membrane
Vestibular membrane
Tectorial membrane
Scala vestibuli
Scala media (cochlear duct)
Basilar membrane
Scala tympani
Auditory nerve
(b)
Tectorial membrane
Hair cells
Supporting cell
Nerve fibers
Basilar membrane
(c)


Cochlear duct
Vestibular membrane
Helicotrema
Scala vestibuli
Tectorial membrane
Stapes
Incus
Malleus
Oval window
Cochlea
Helicotrema
Hairs
Perilymph
Organ of Corti
Endolymph
Basilar membrane
Scala tympani
Perilymph
Tympanic membrane
Round window
Endolymph


3,000
2,000
600
Wide, flexible end of basilar membrane by helicotrema
4,000
20
800
1,500
200
Narrow, stiff end of basilar membrane by oval window
1,000
20,000
7,000
5,000


High frequency
Medium frequency
Low frequency