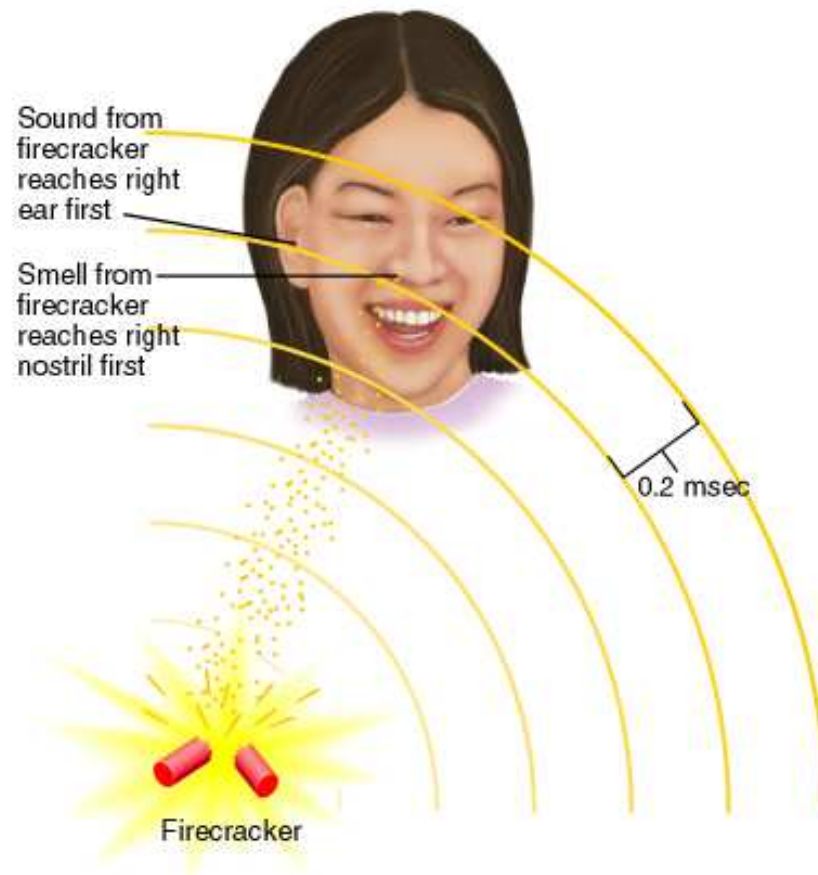
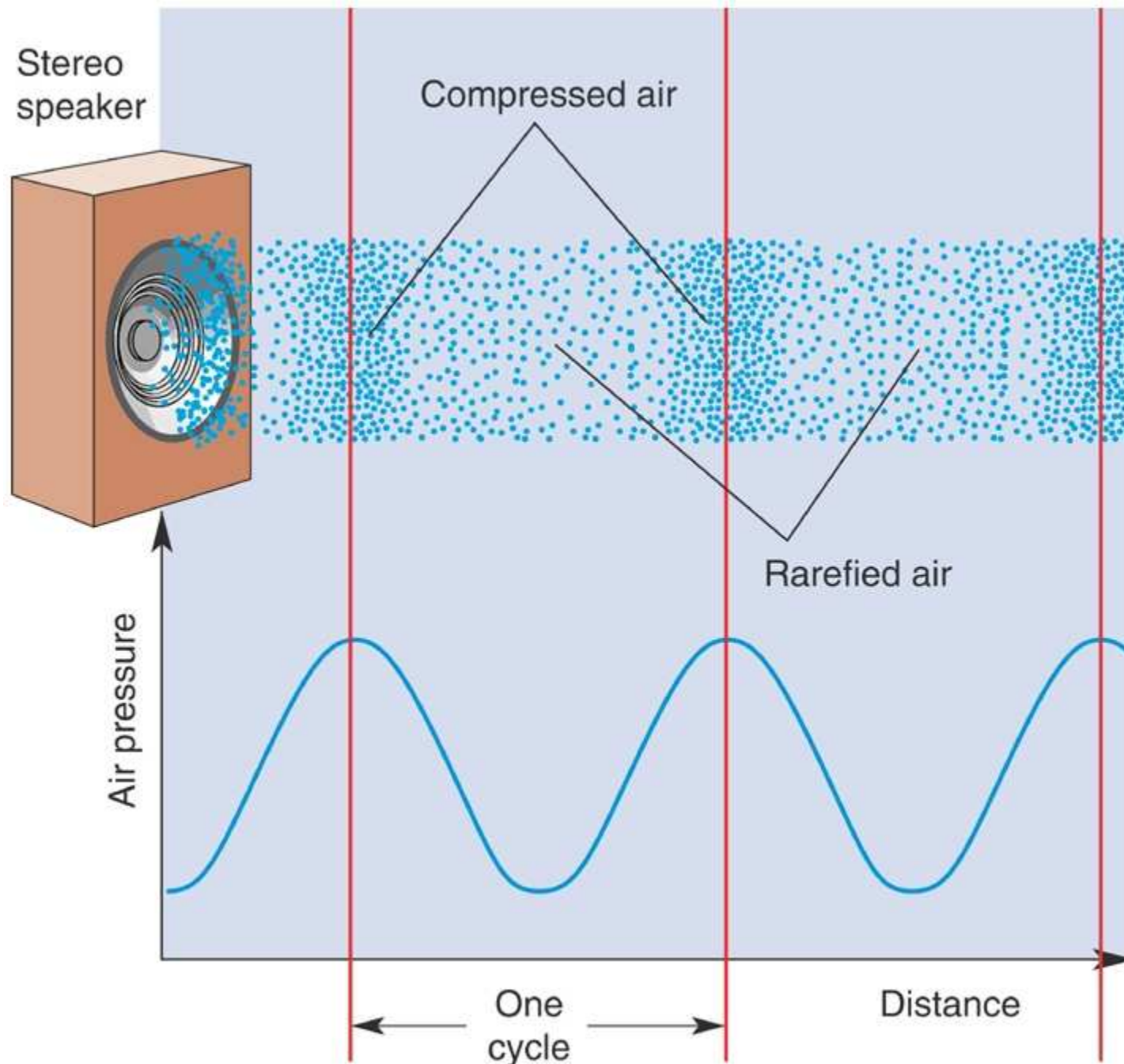


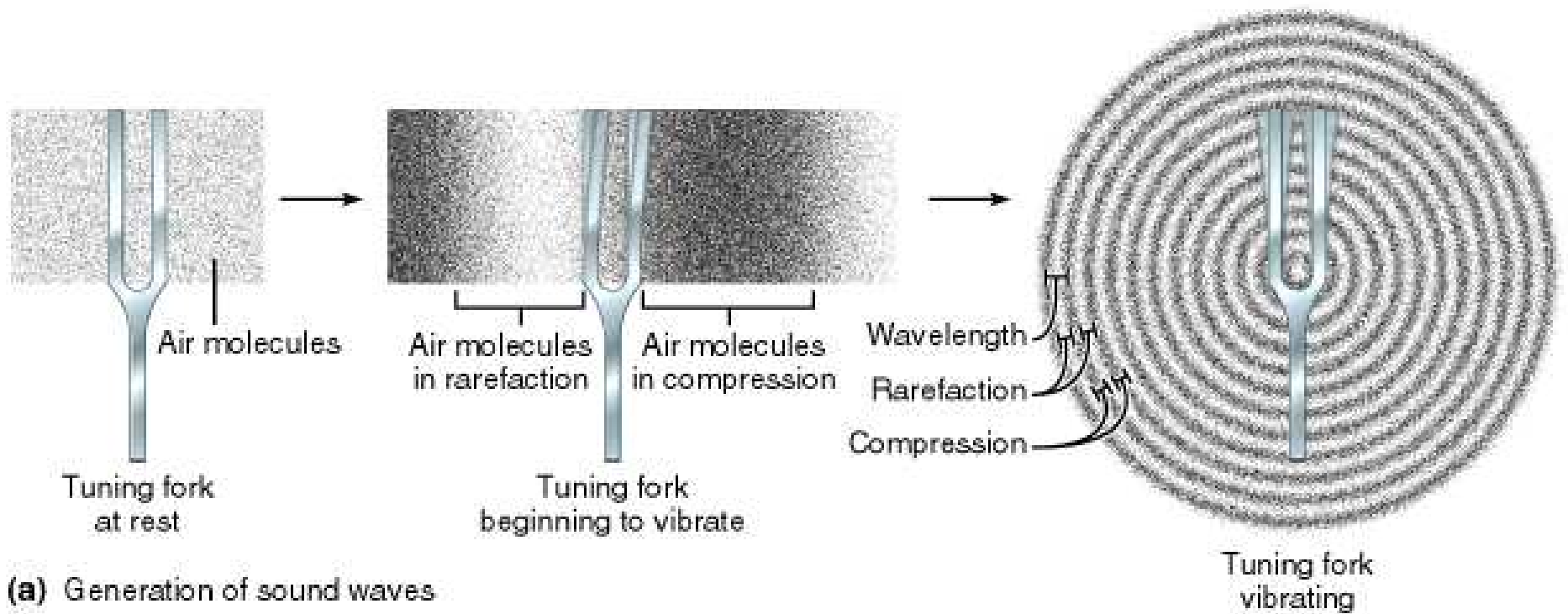
Physiology 67

Hearing and vestibular

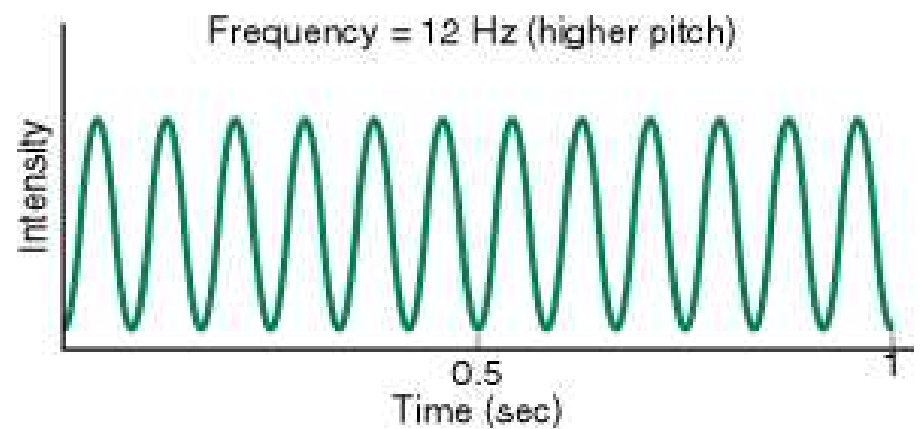
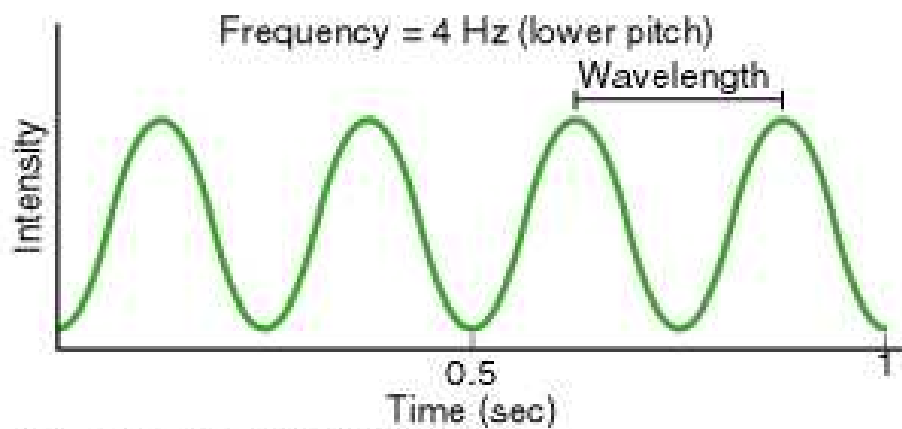
Hearing



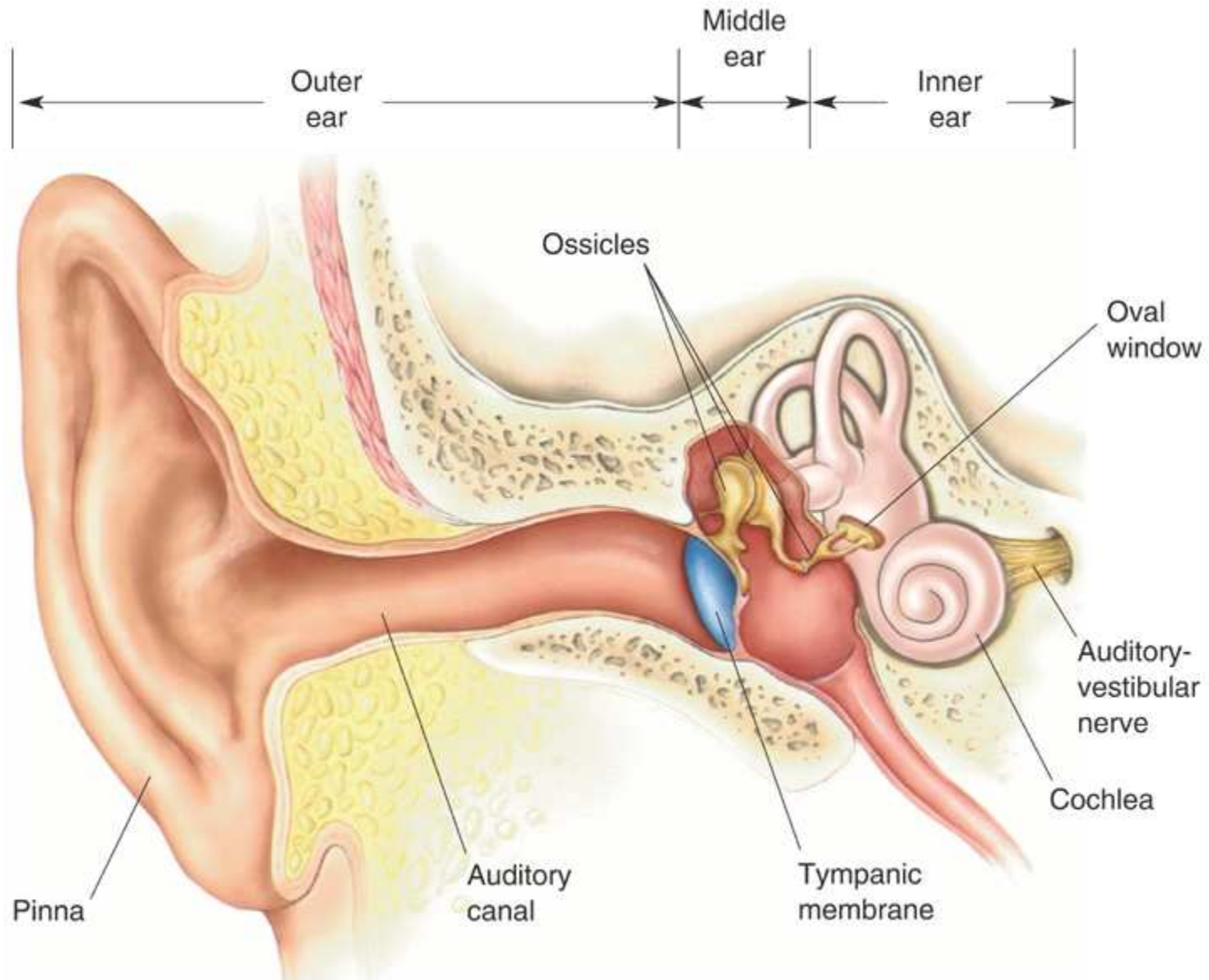




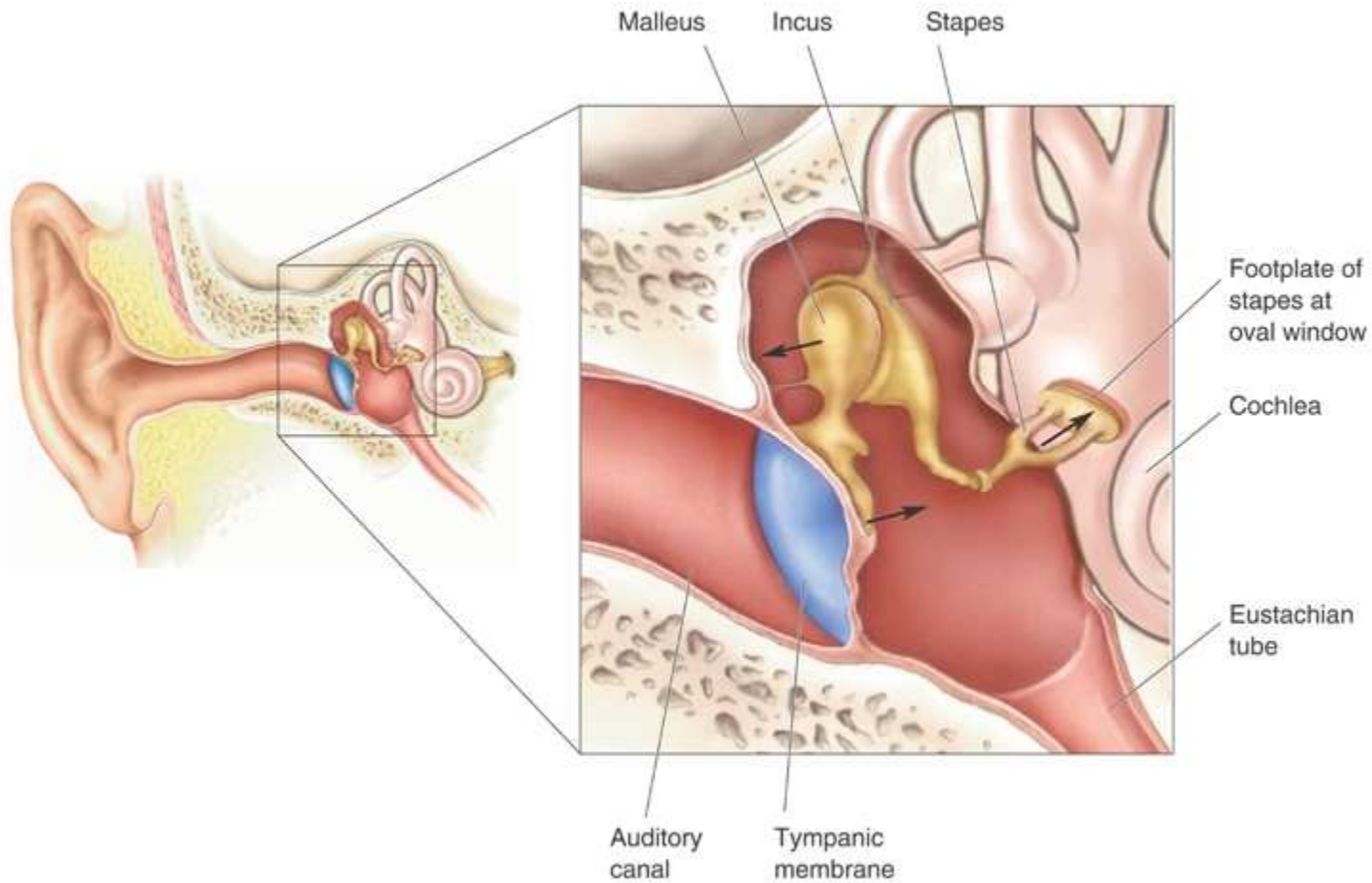
(a) Generation of sound waves

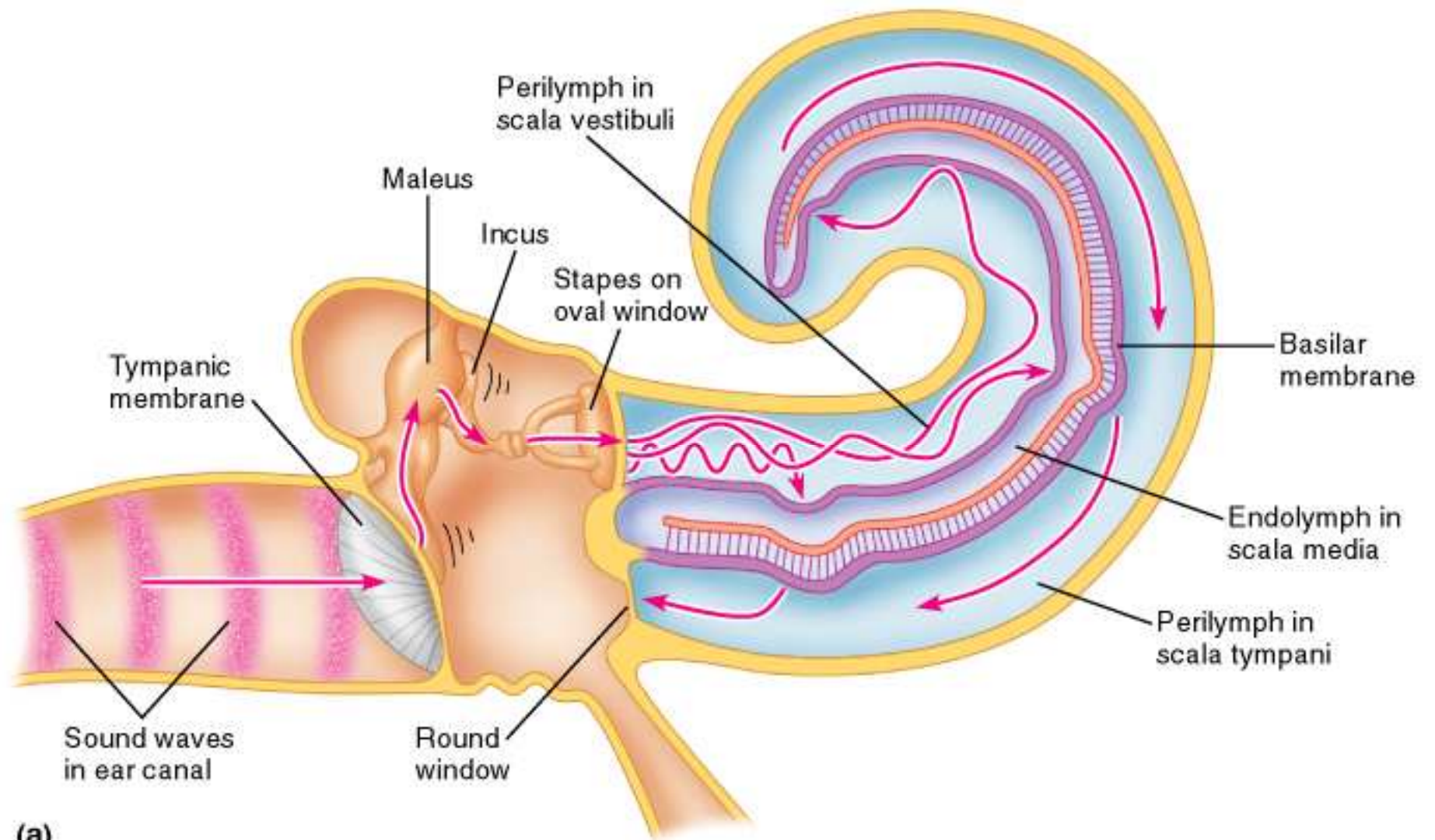


(b) Properties of sound waves



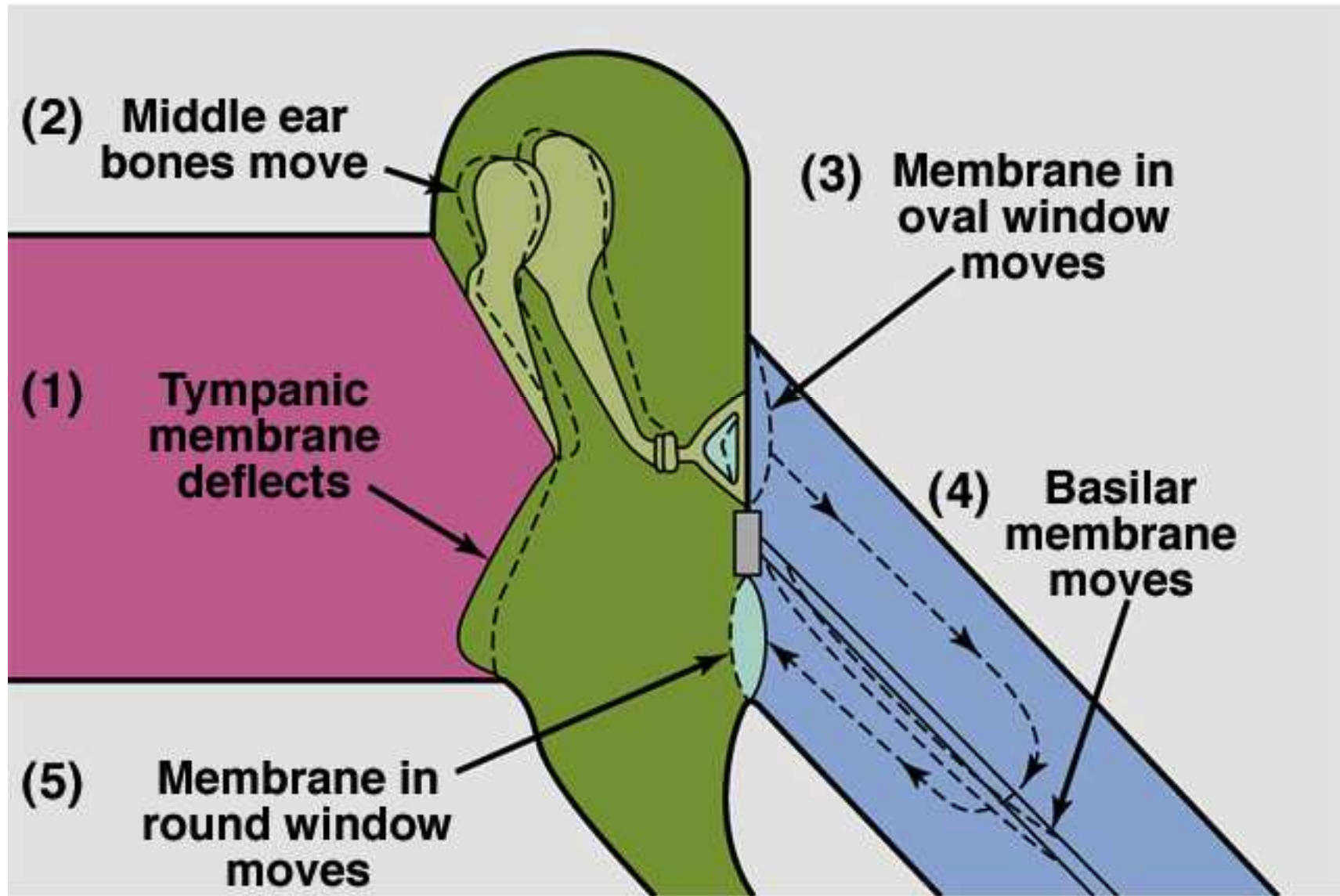
Middle Ear

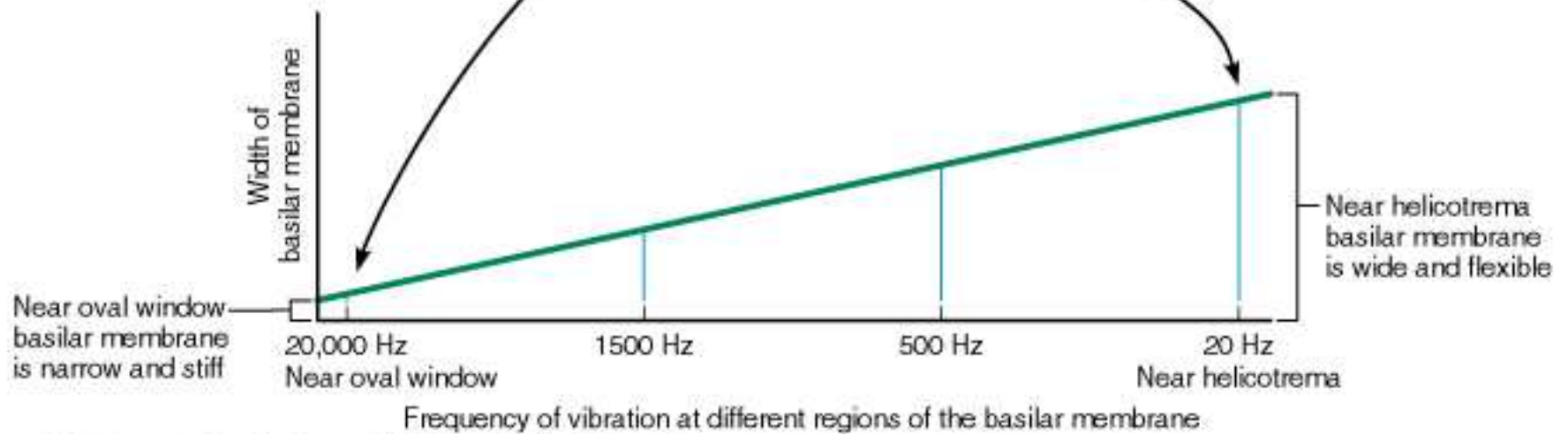
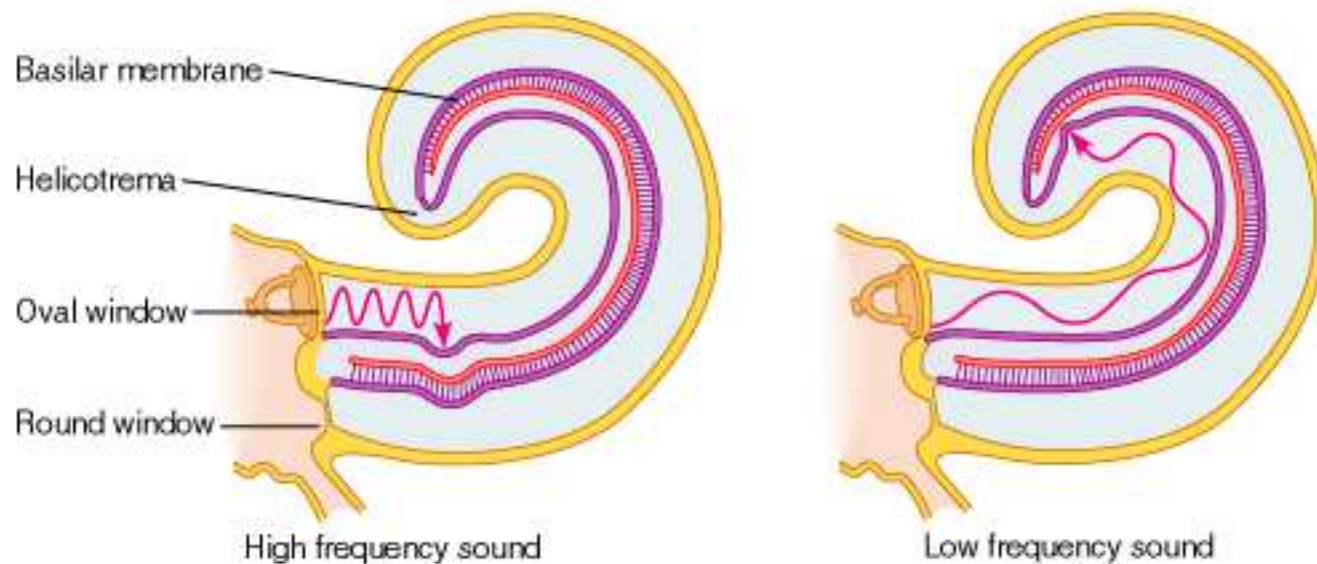




(a)

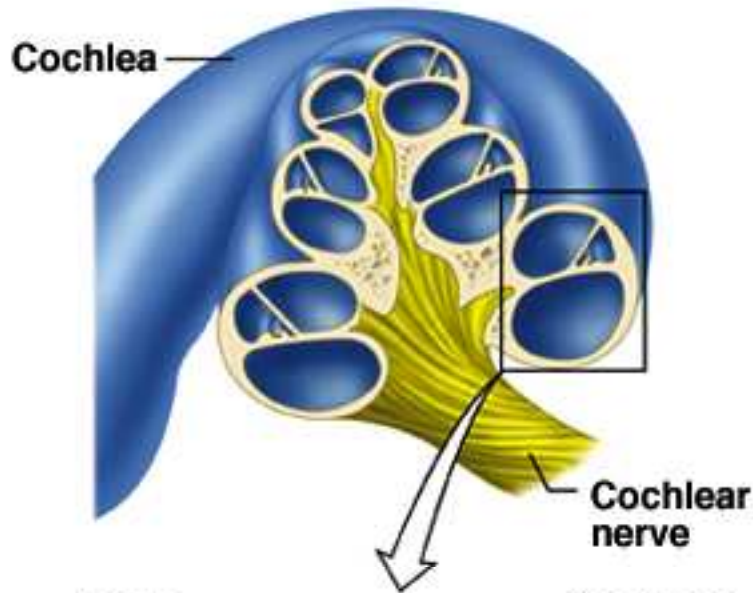
Transmission of sound vibrations



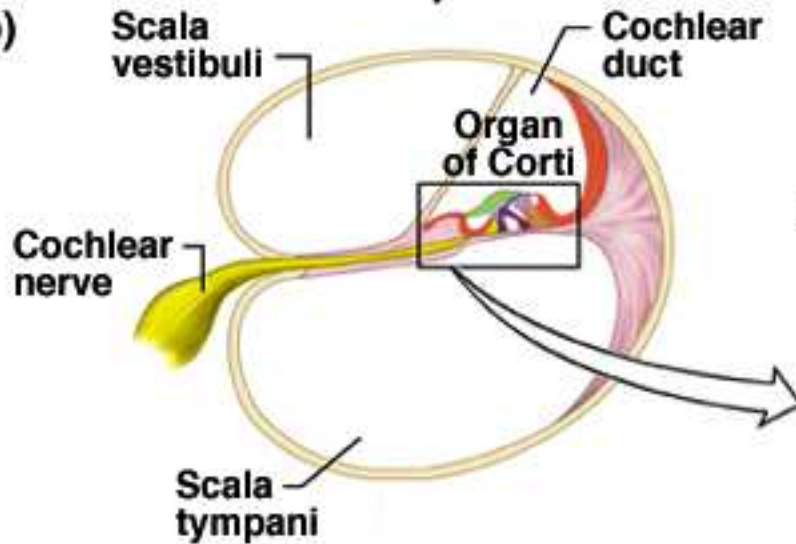


Membranes and compartments of inner ear

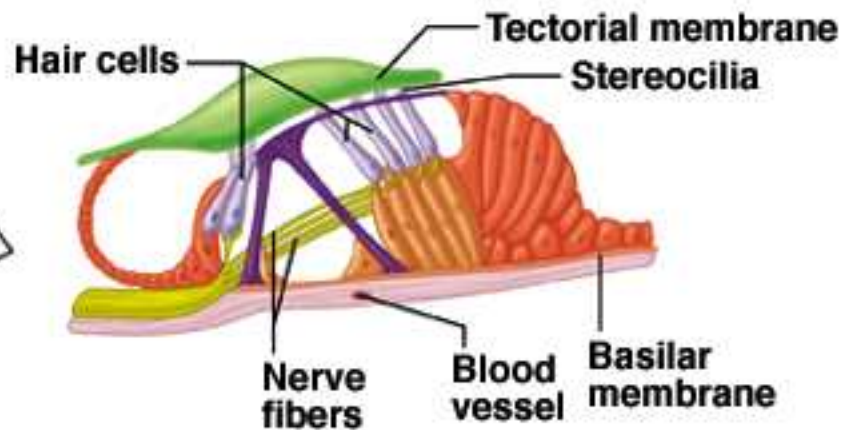
(a)

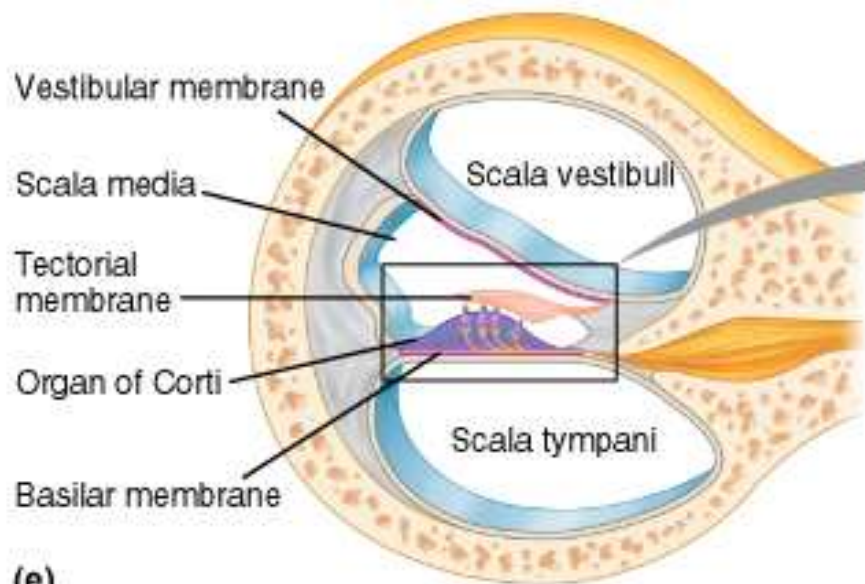


(b)



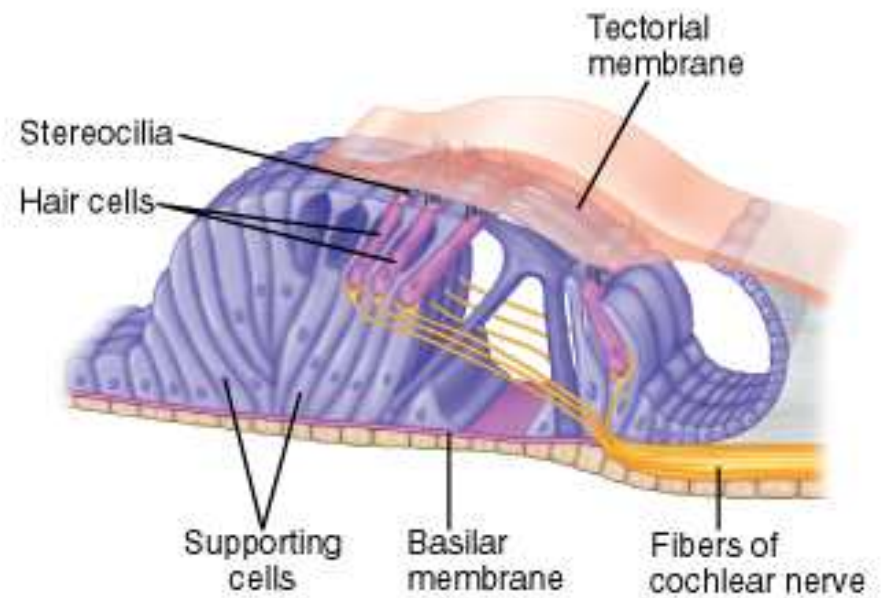
(c) Organ of Corti



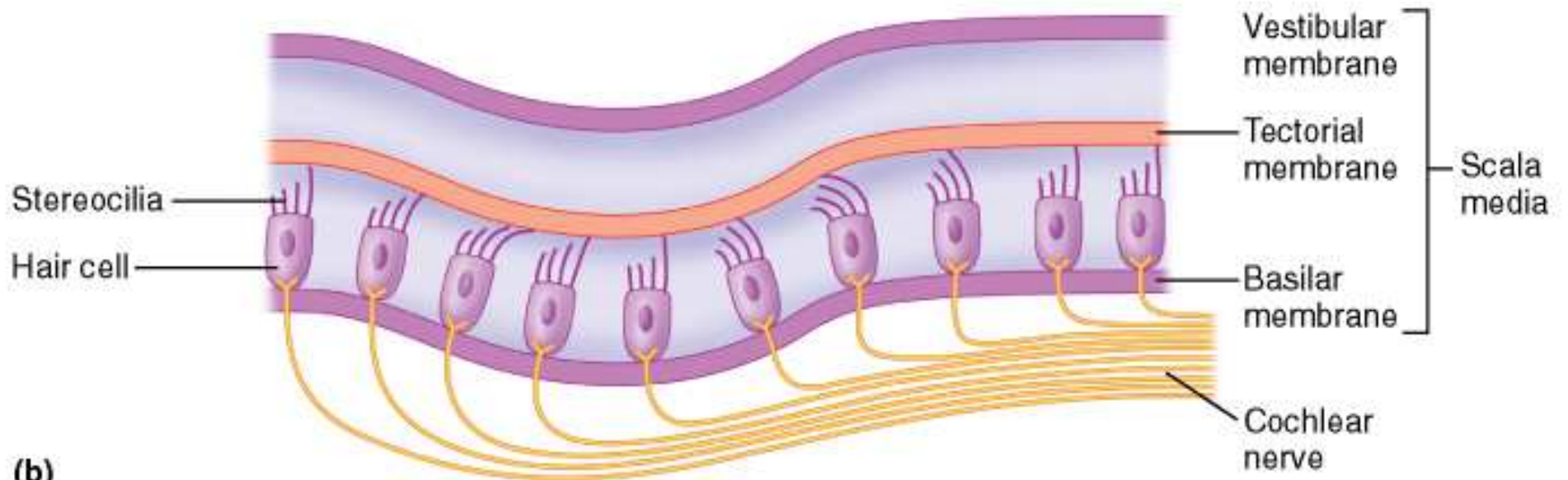


(e)

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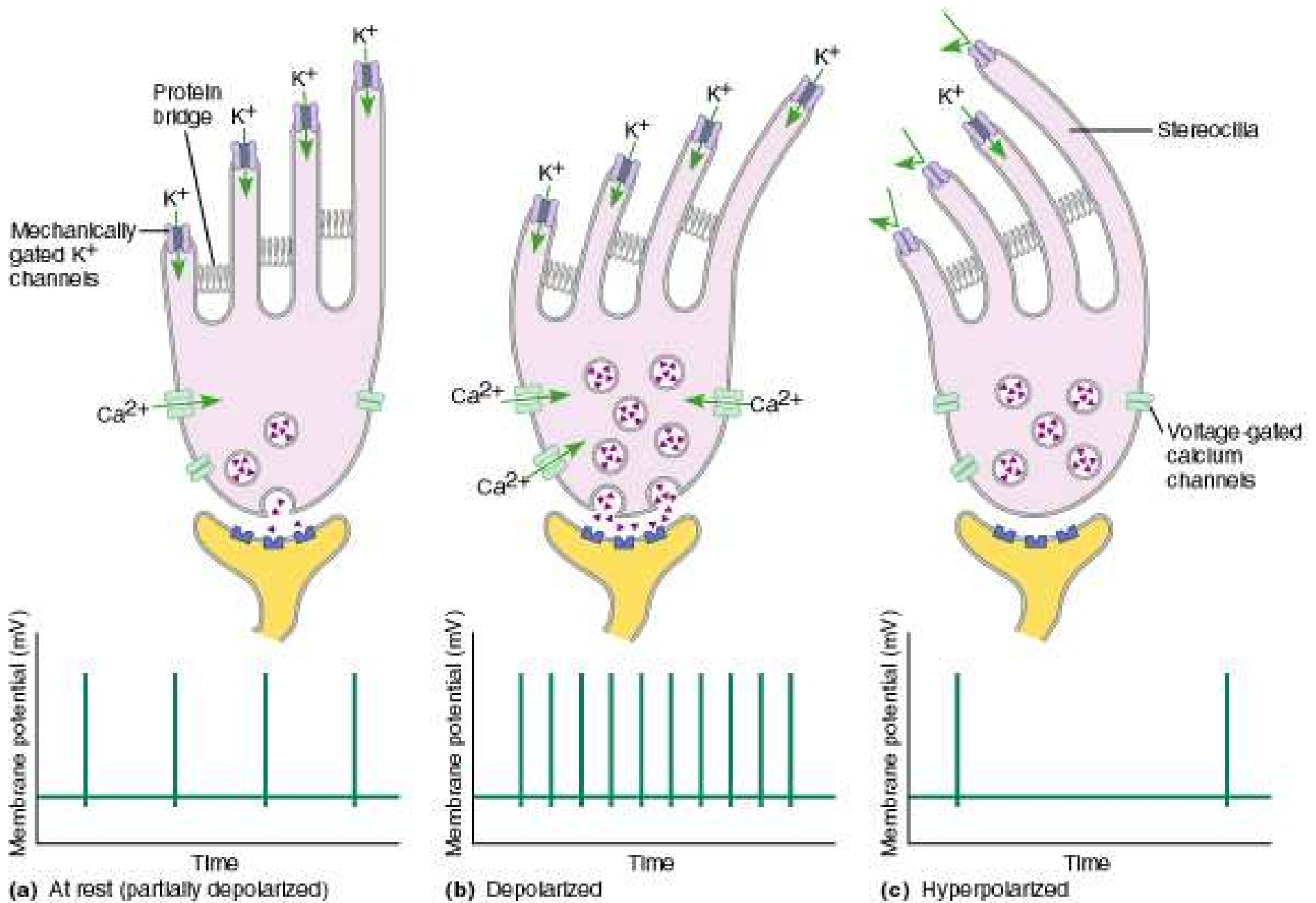


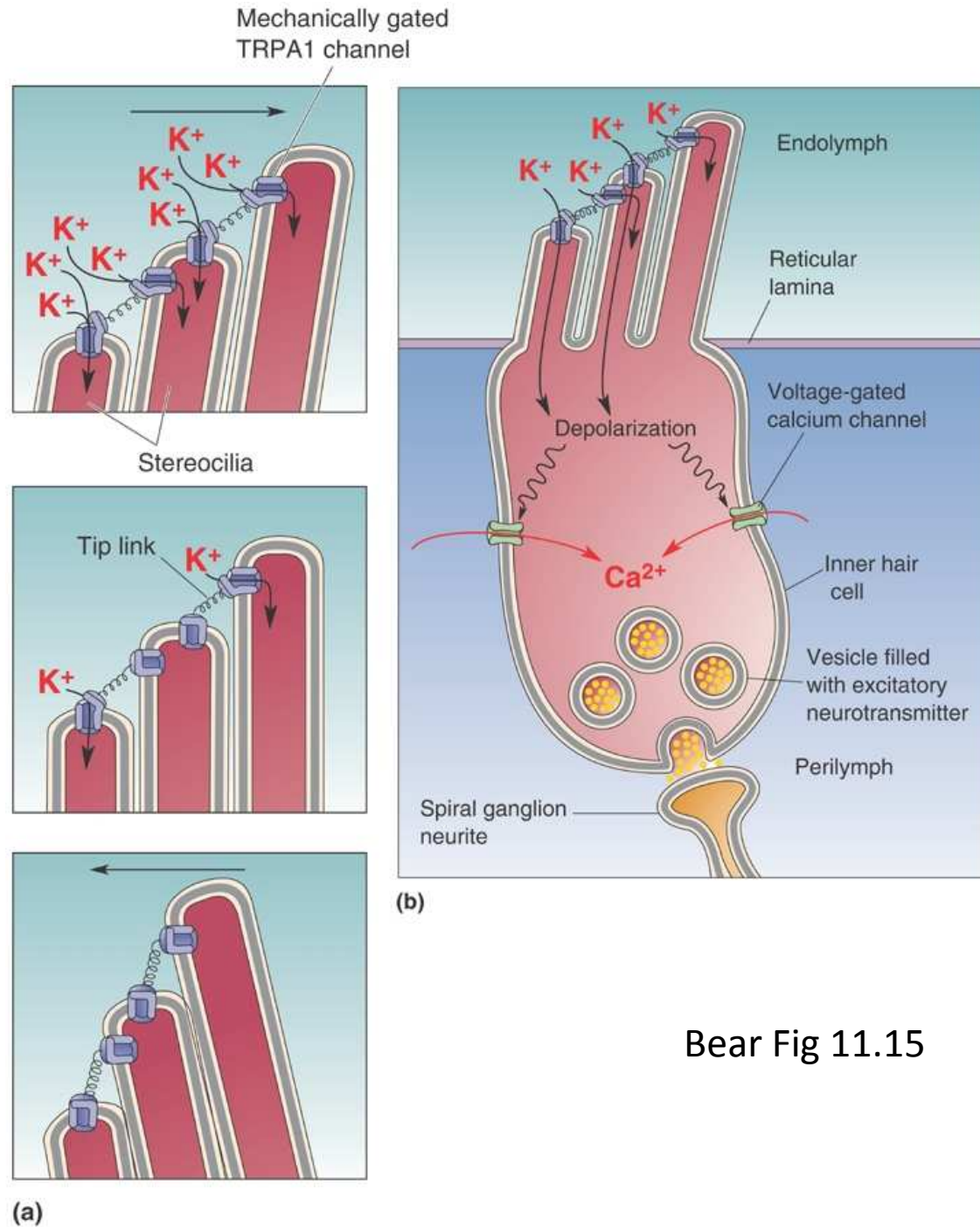
(f)



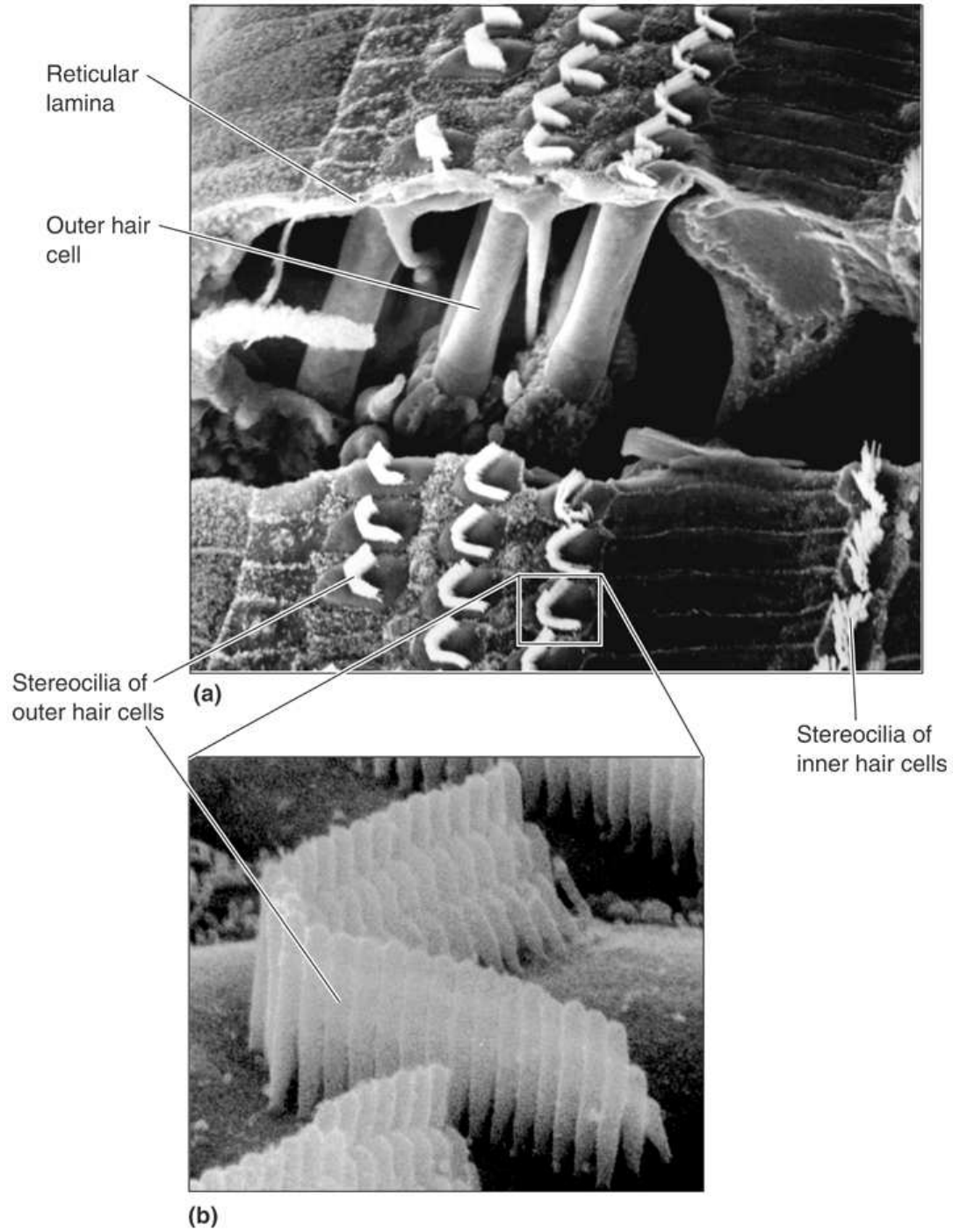
(b)

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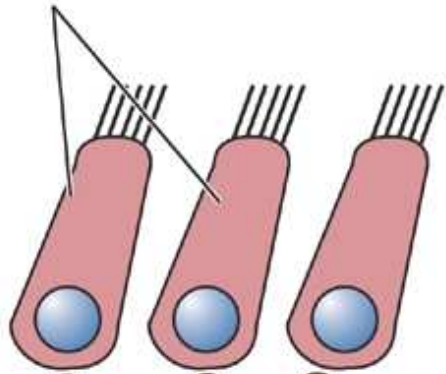




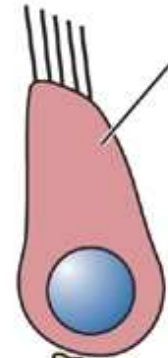
Bear Fig 11.15



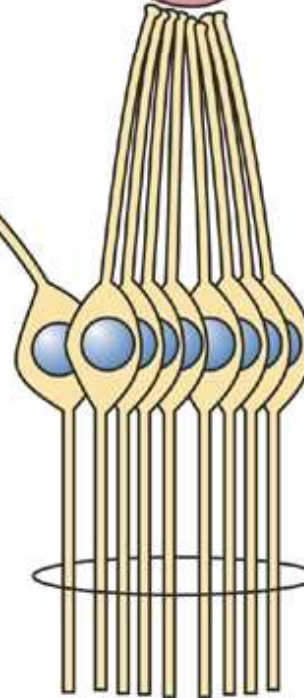
Outer hair cells



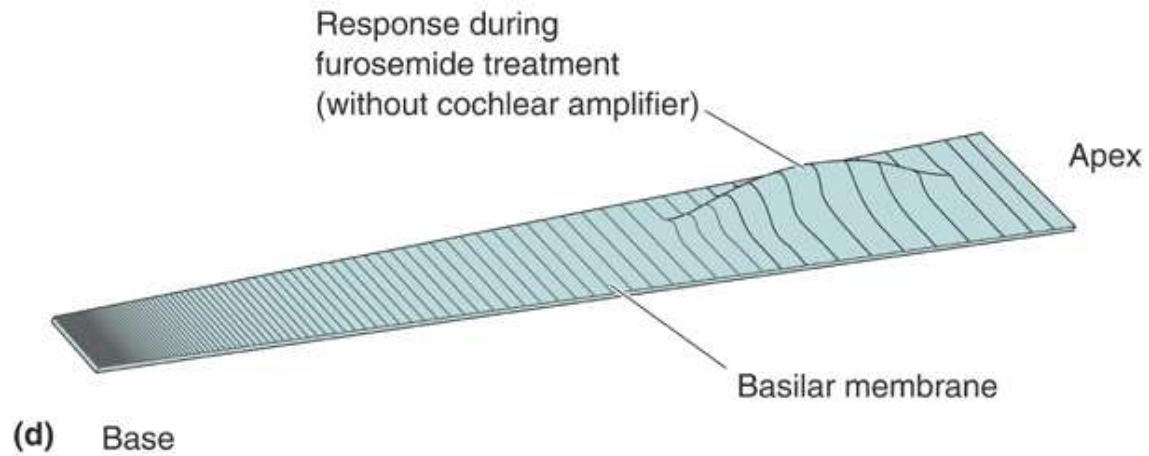
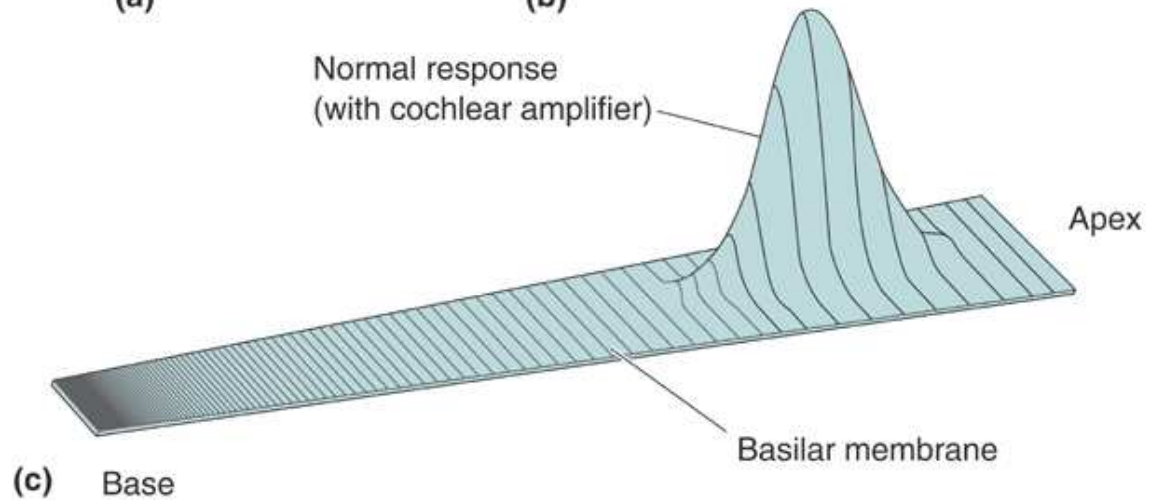
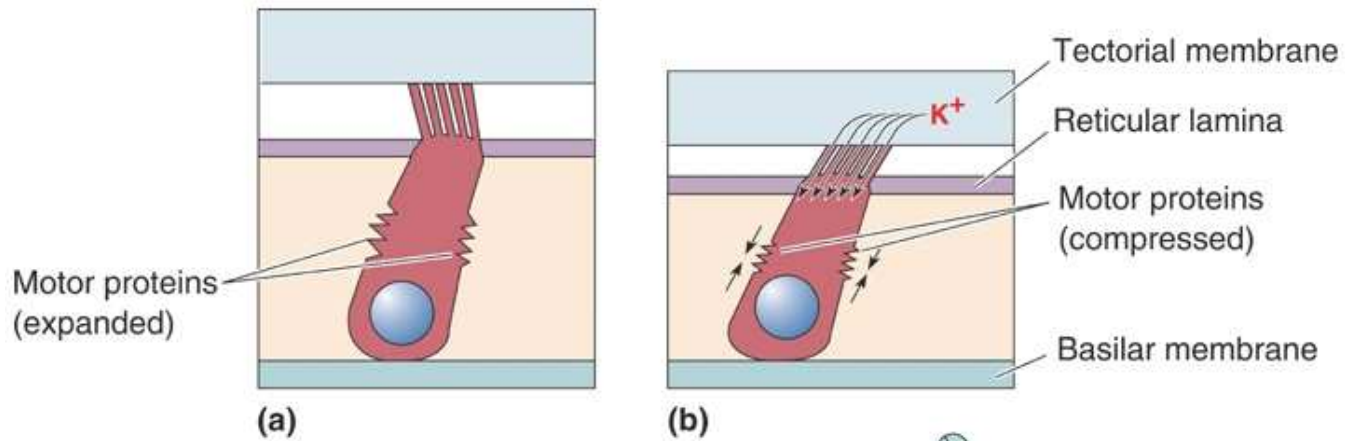
Inner hair cell

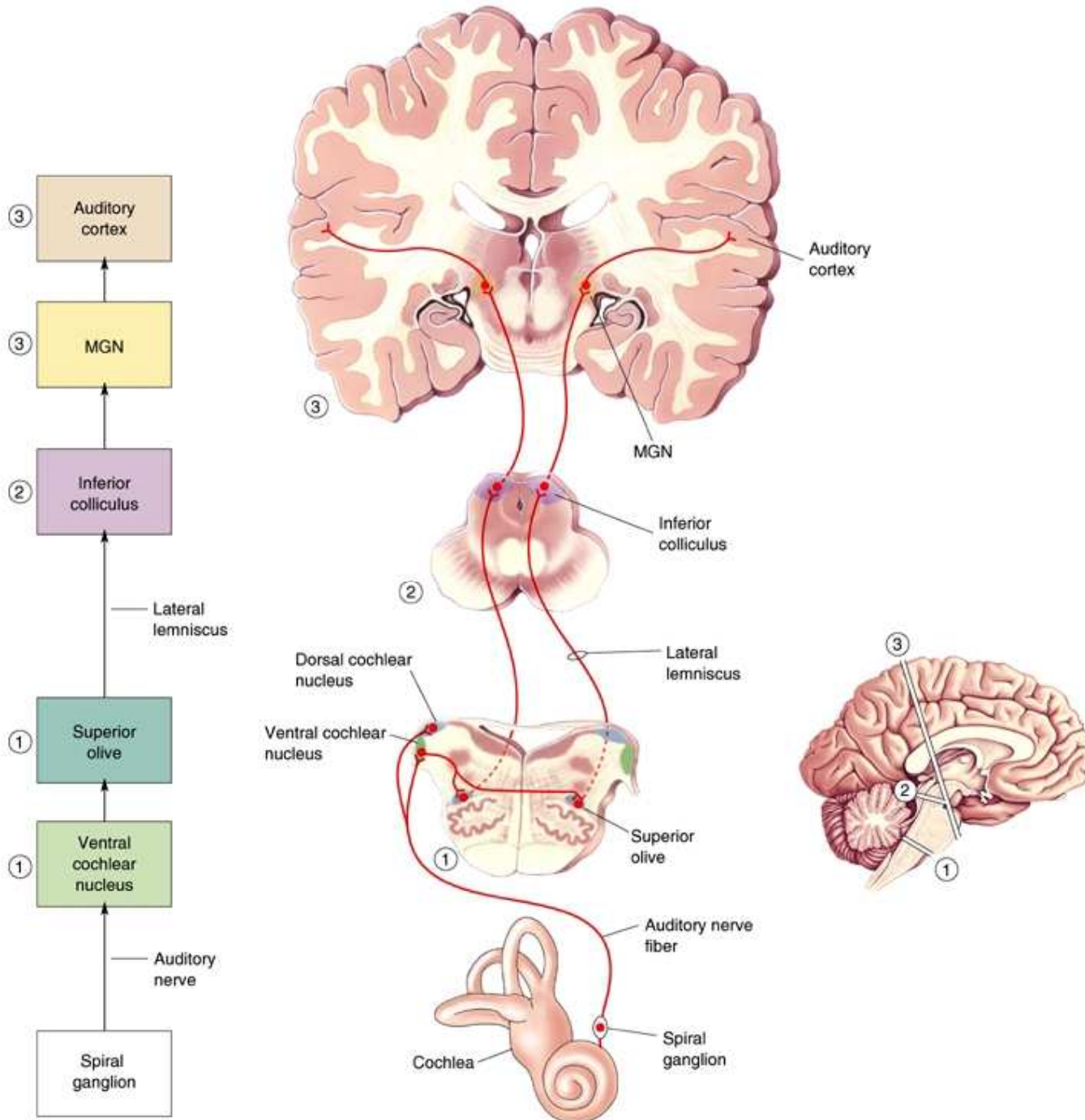


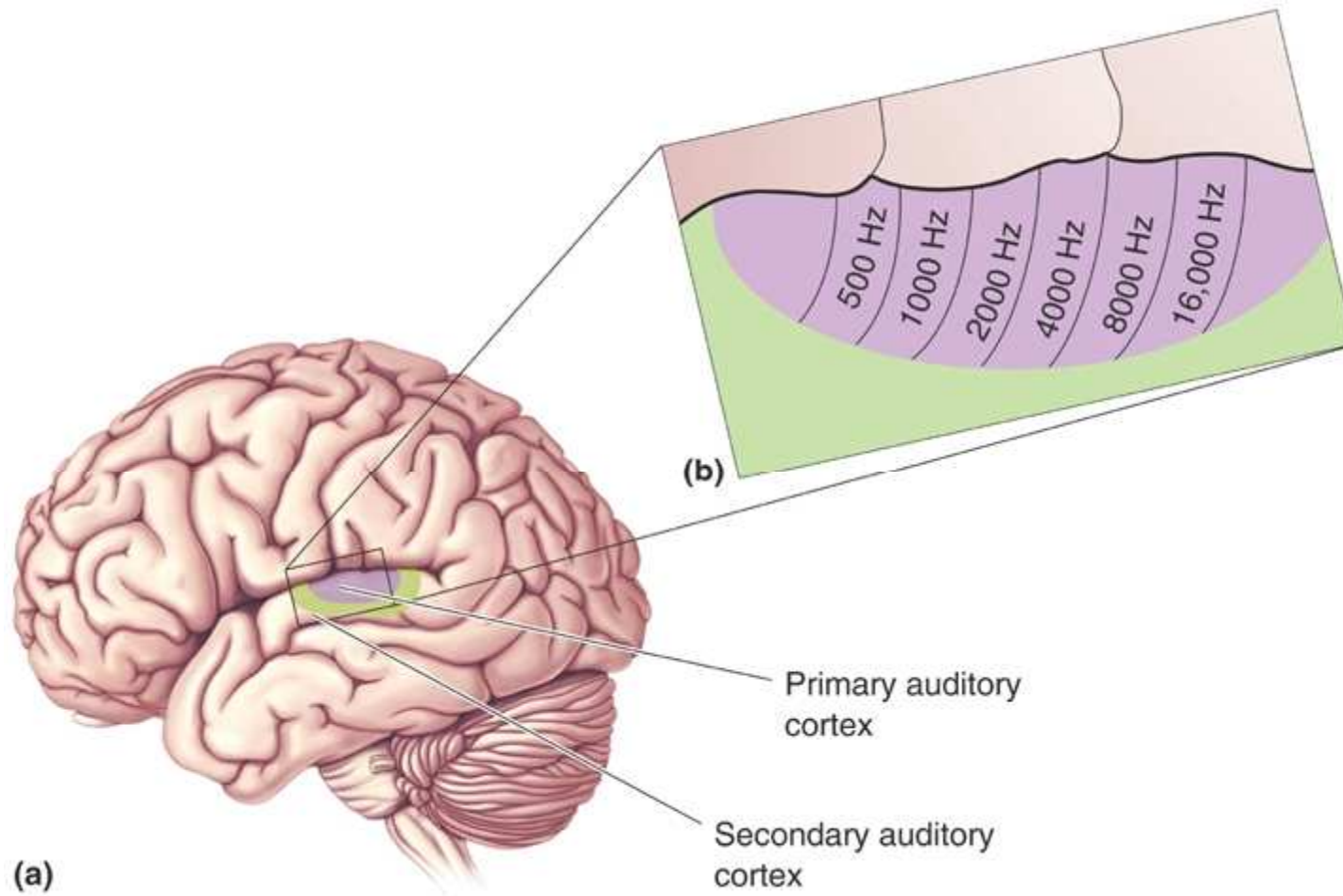
Spiral ganglion cells

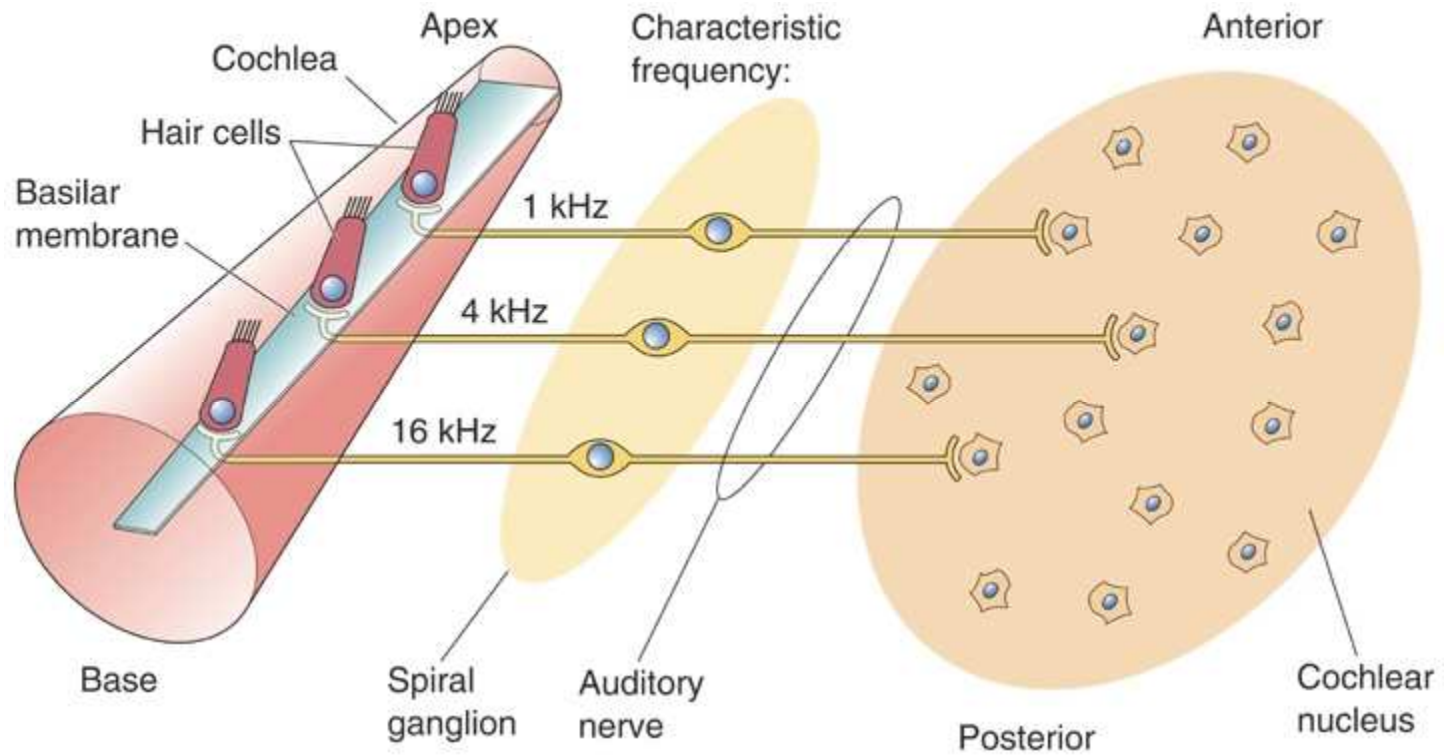


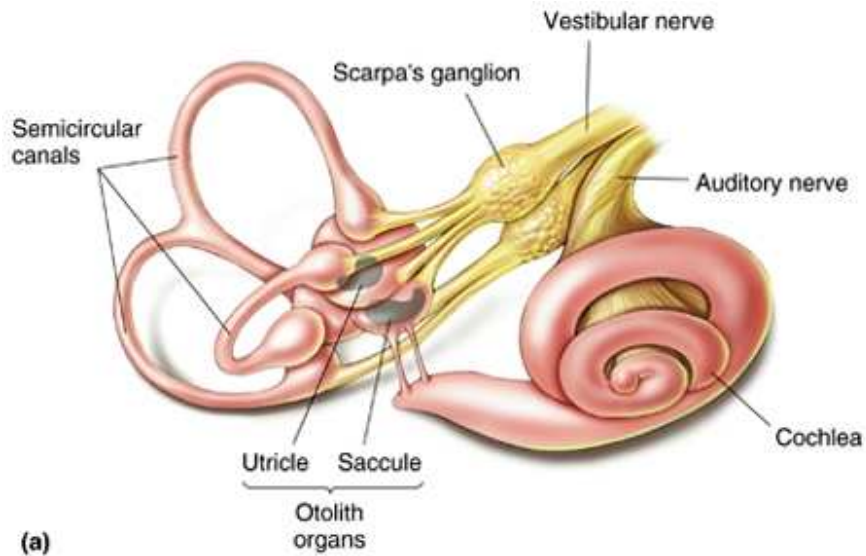
Auditory nerve



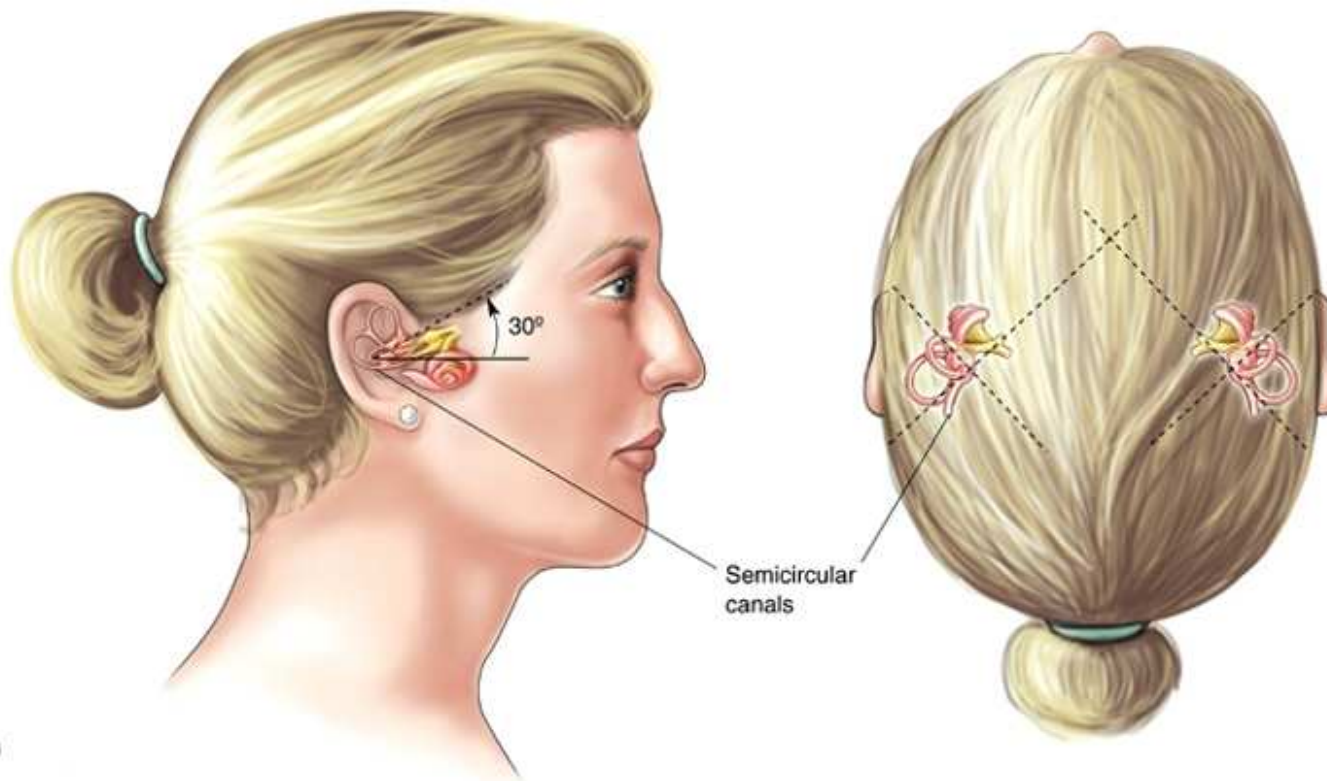






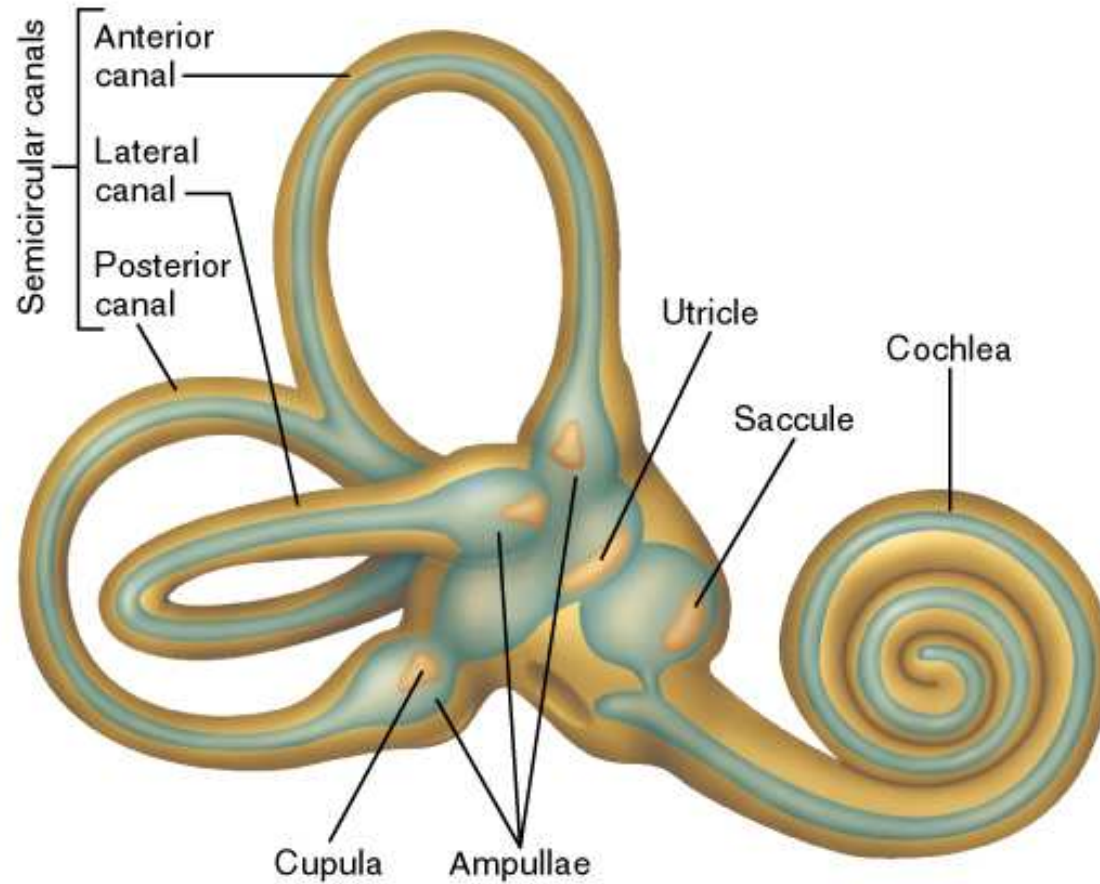


(a)

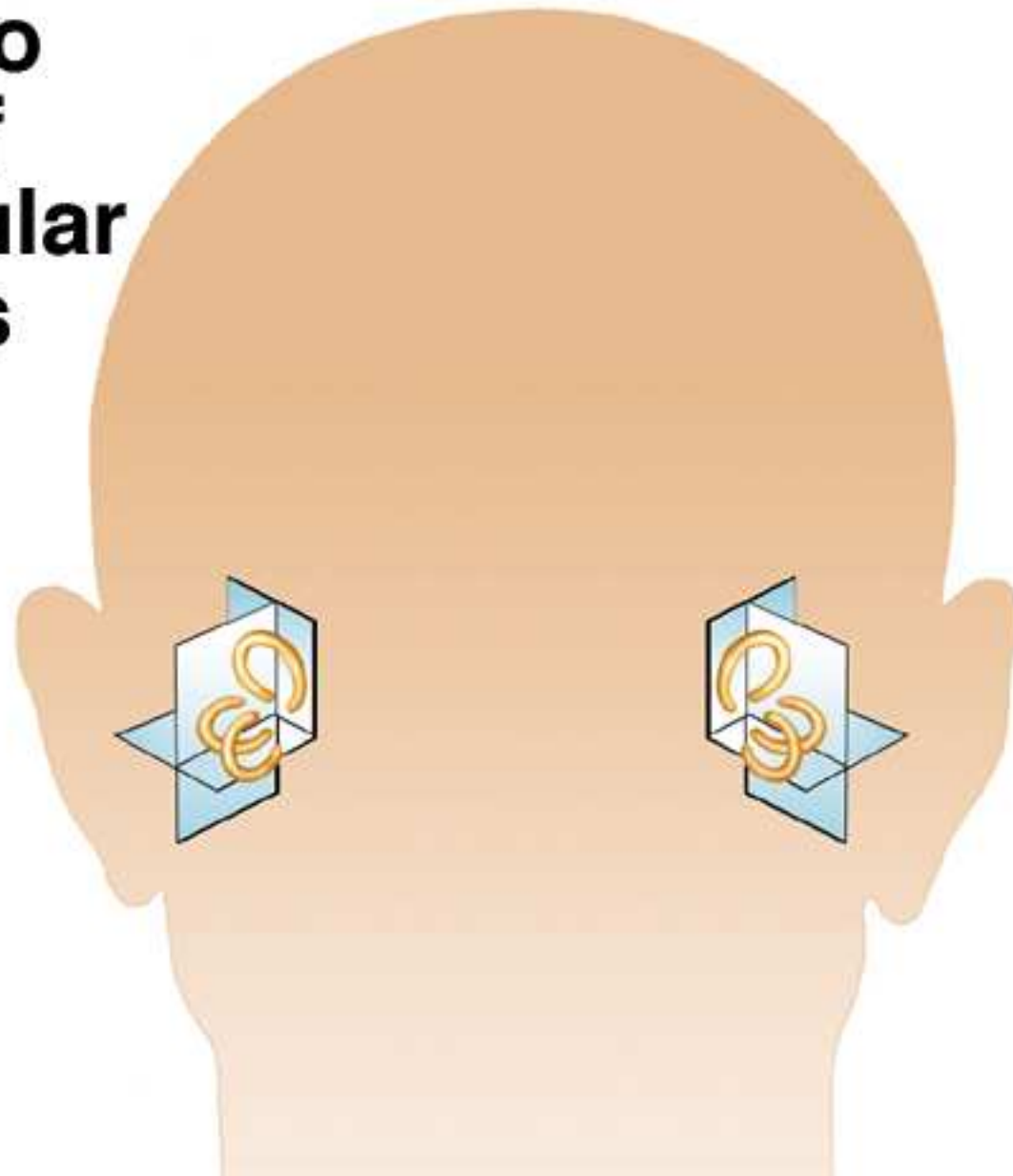


(b)

Vestibular system

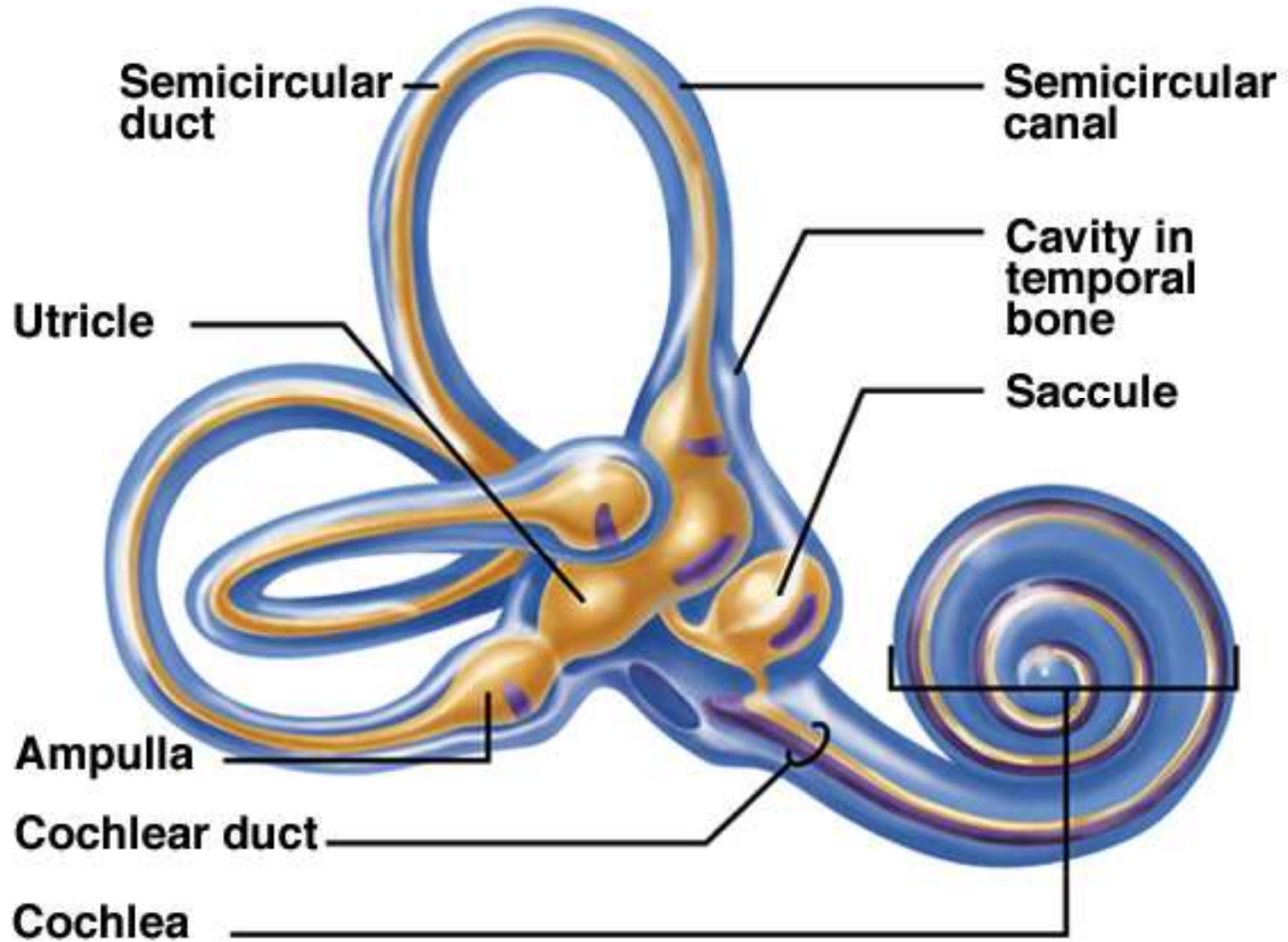


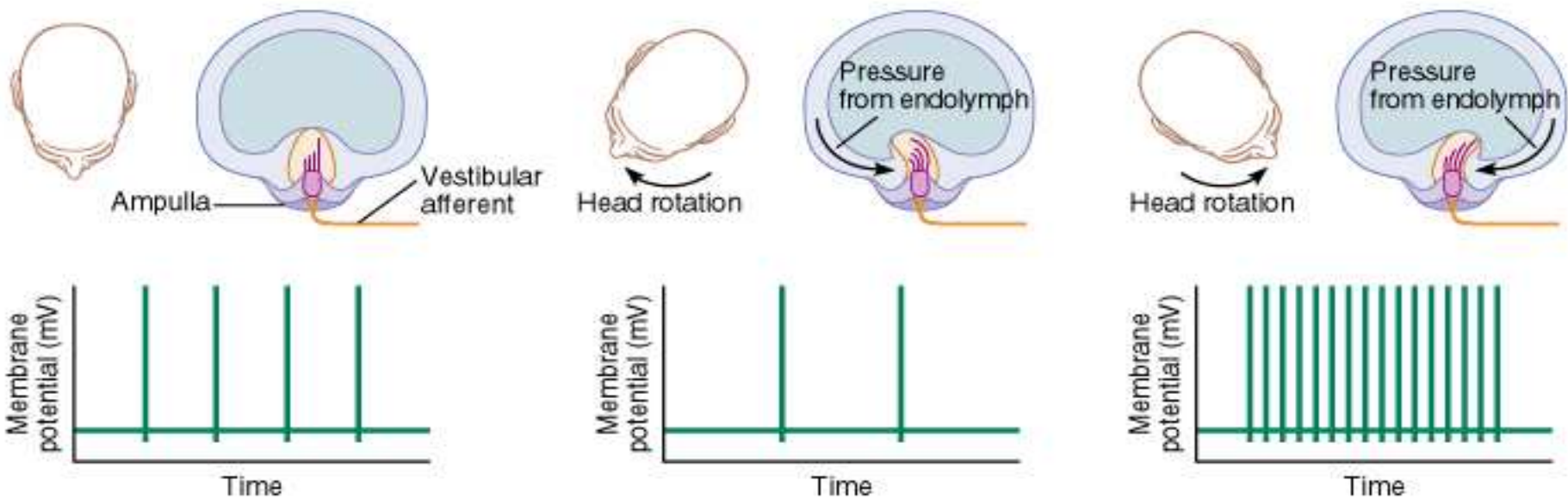
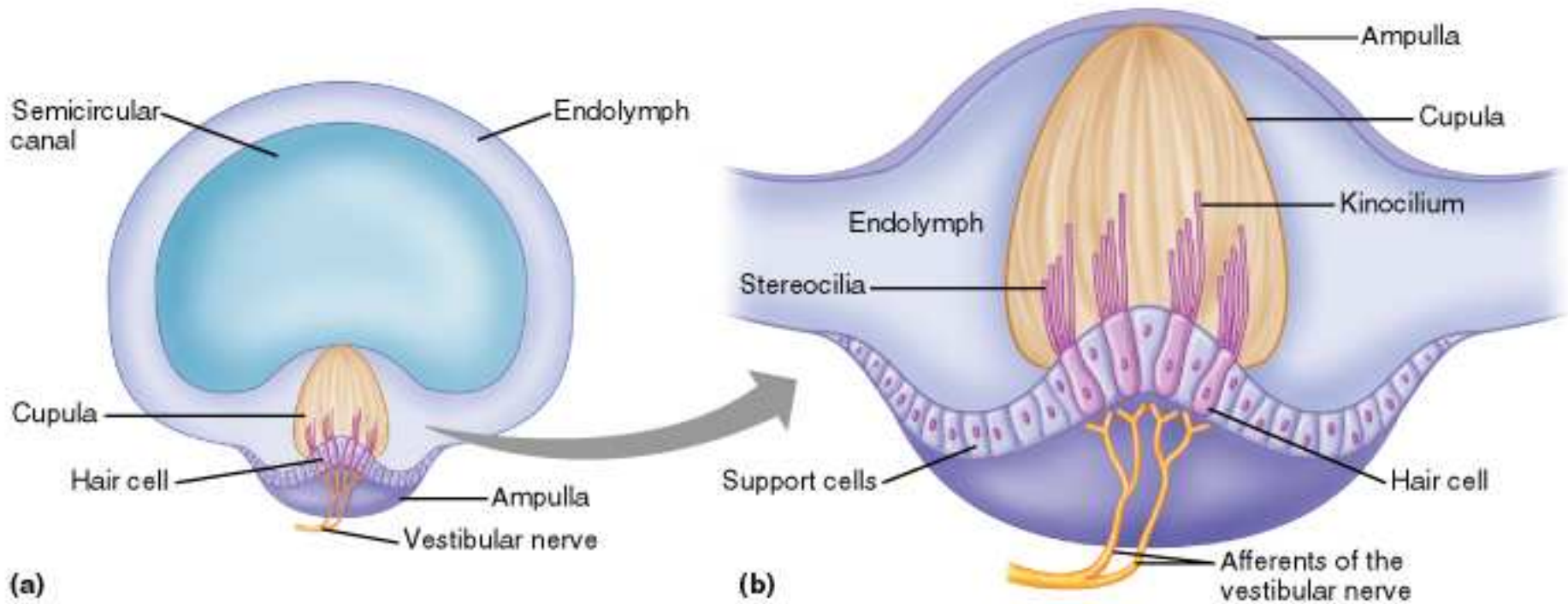
The two sets of semicircular canals



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A tunnel in the temporal bone

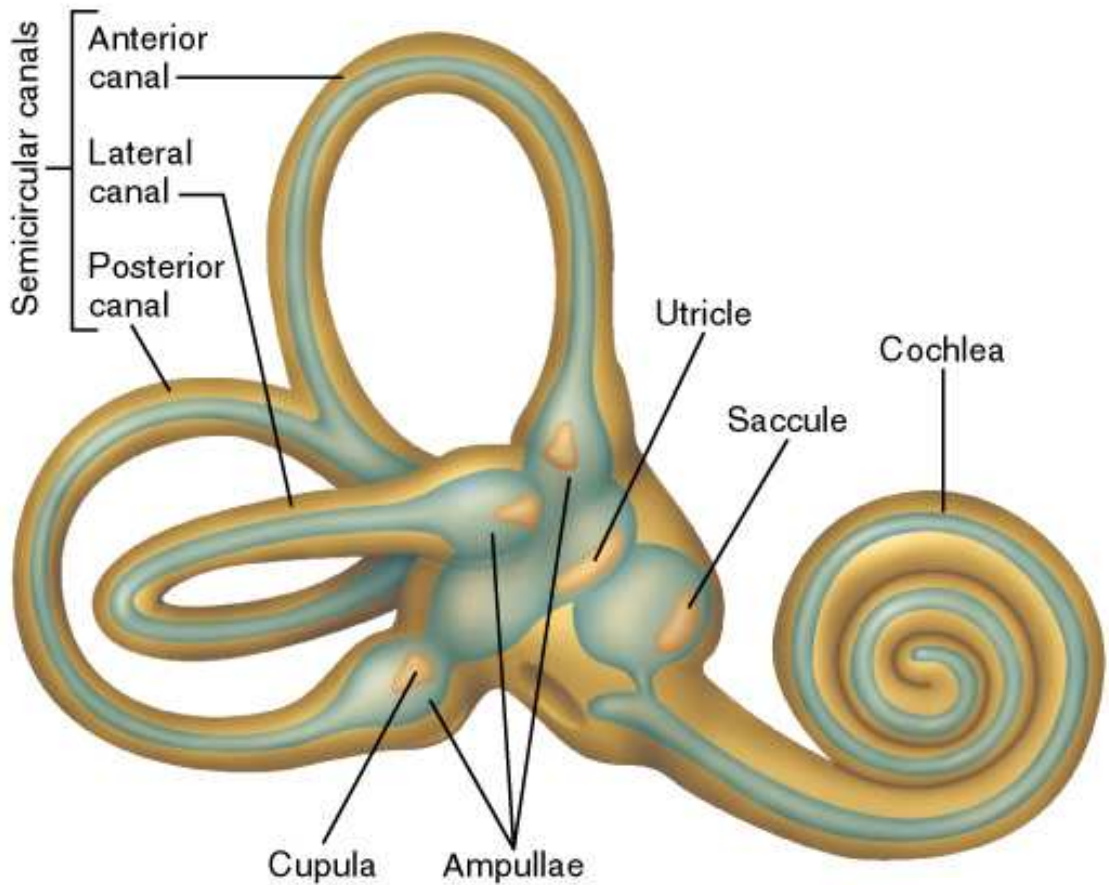




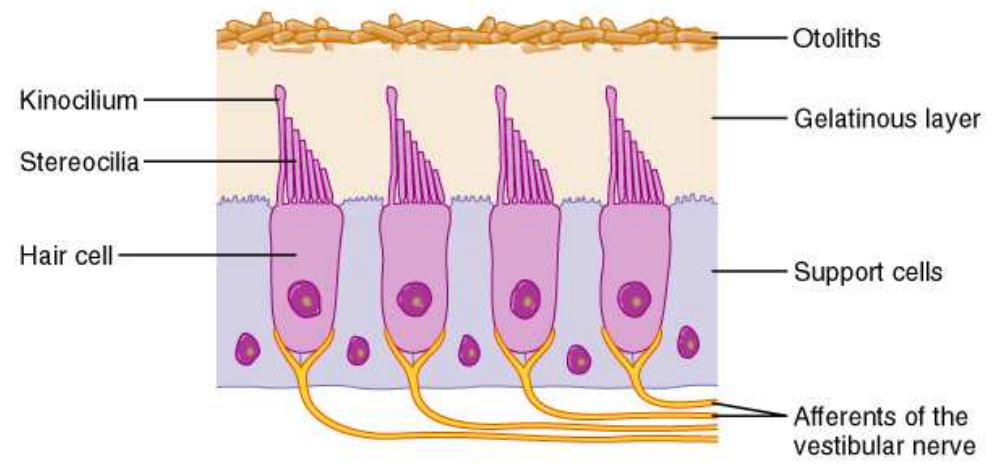
(c) Rest or constant rate of motion

(d) Acceleration

(e) Acceleration

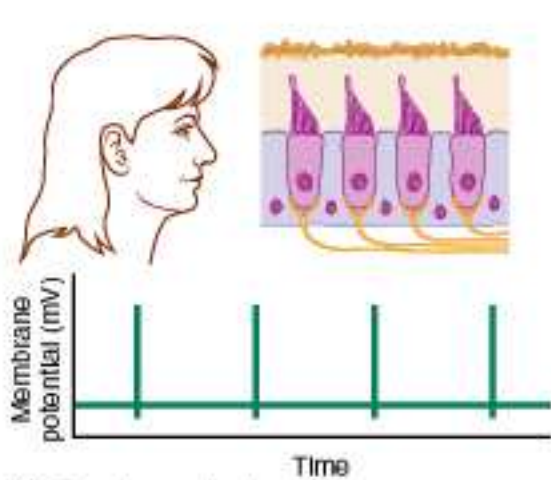


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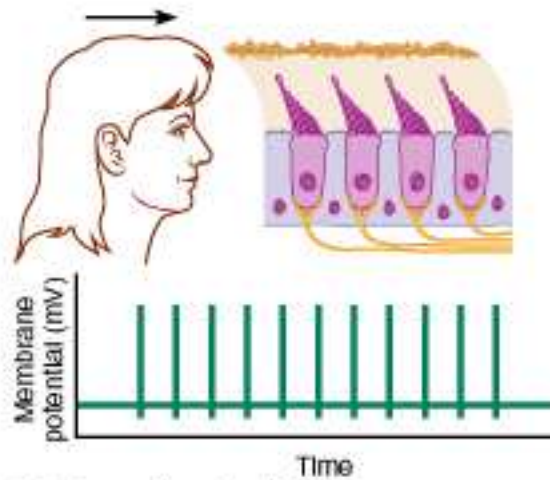


(a)

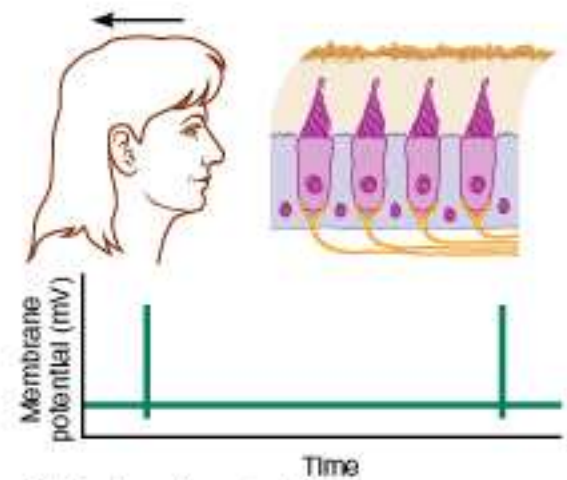
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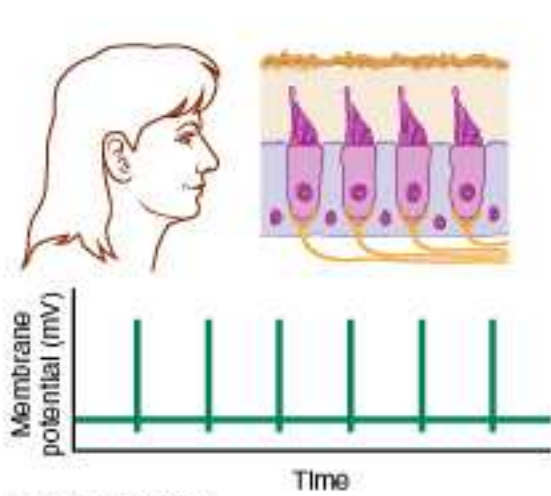
(b) Rest or constant motion



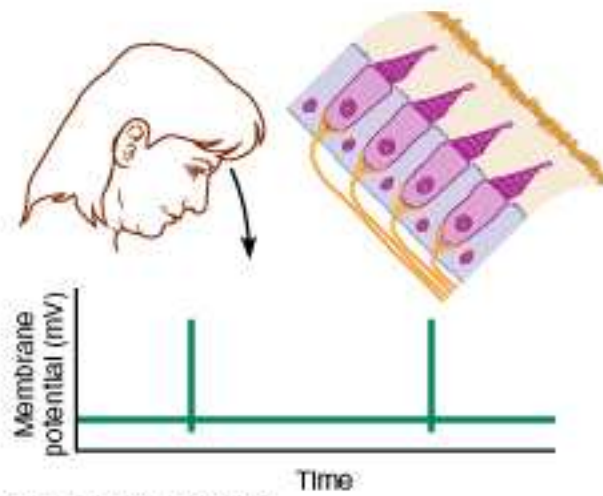
(c) Forward acceleration



(d) Backward acceleration



(e) Head upright



(f) Head tilted forward

