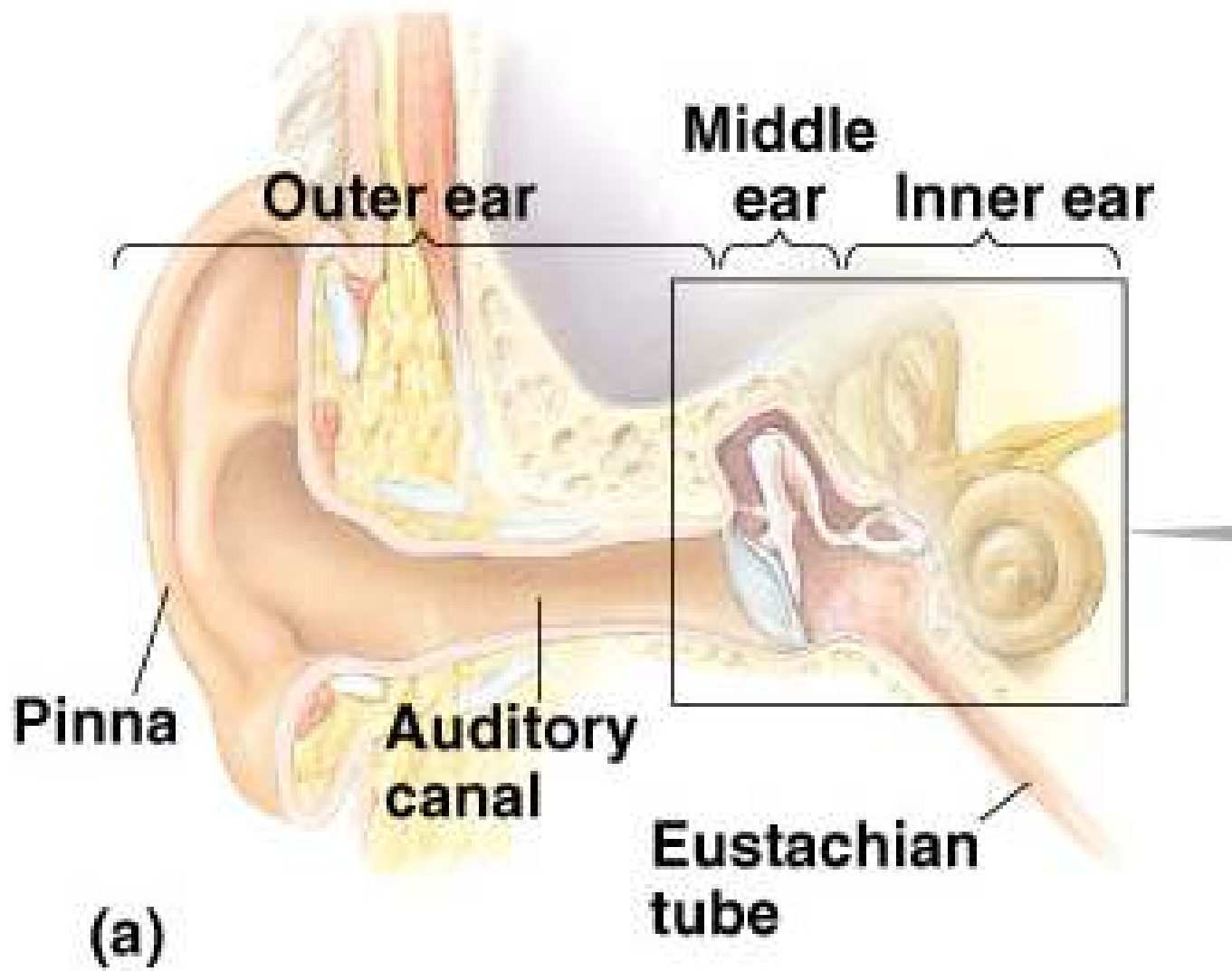


Pre AP Biology

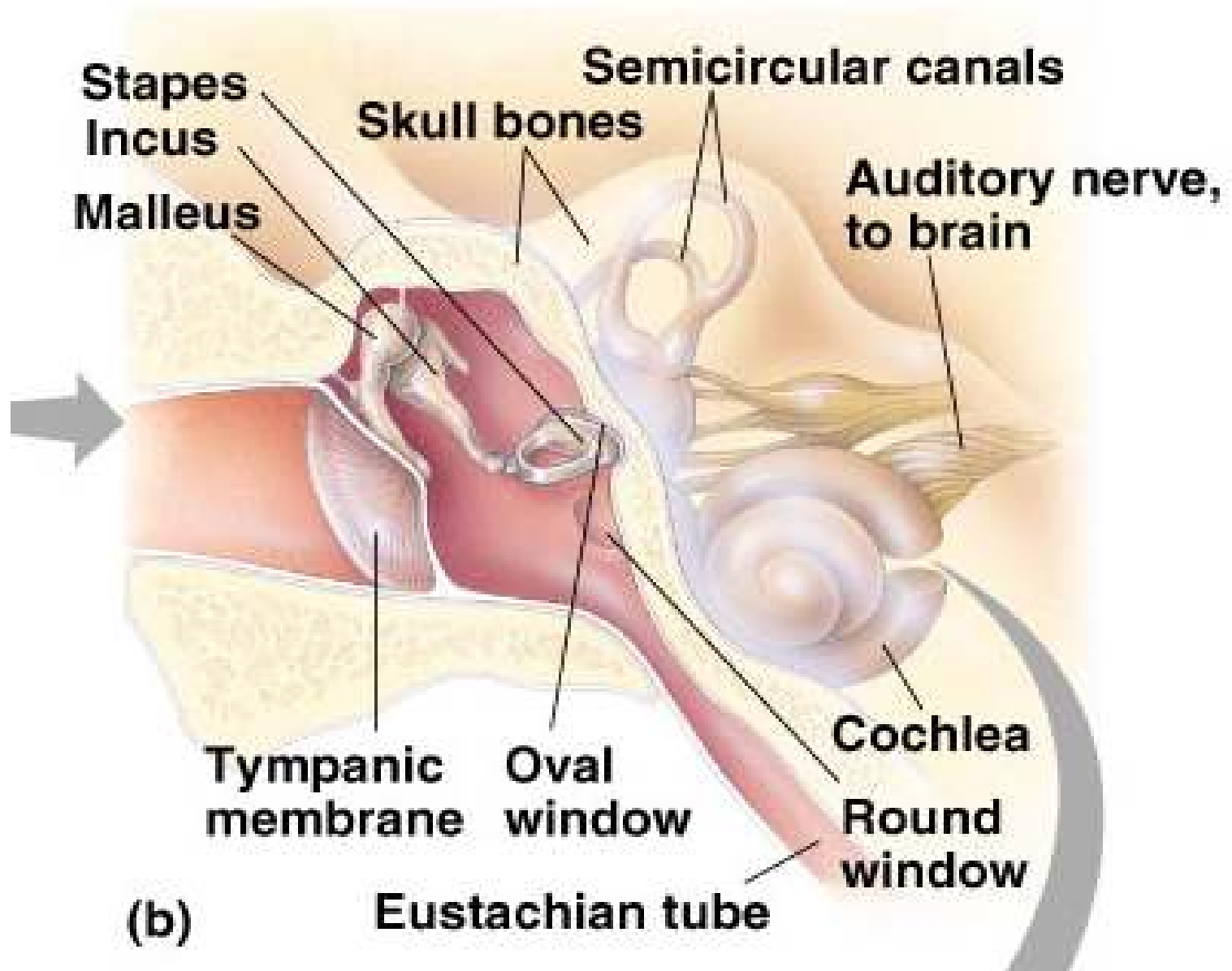
Sensory Mechanisms (8.10)

Part 1

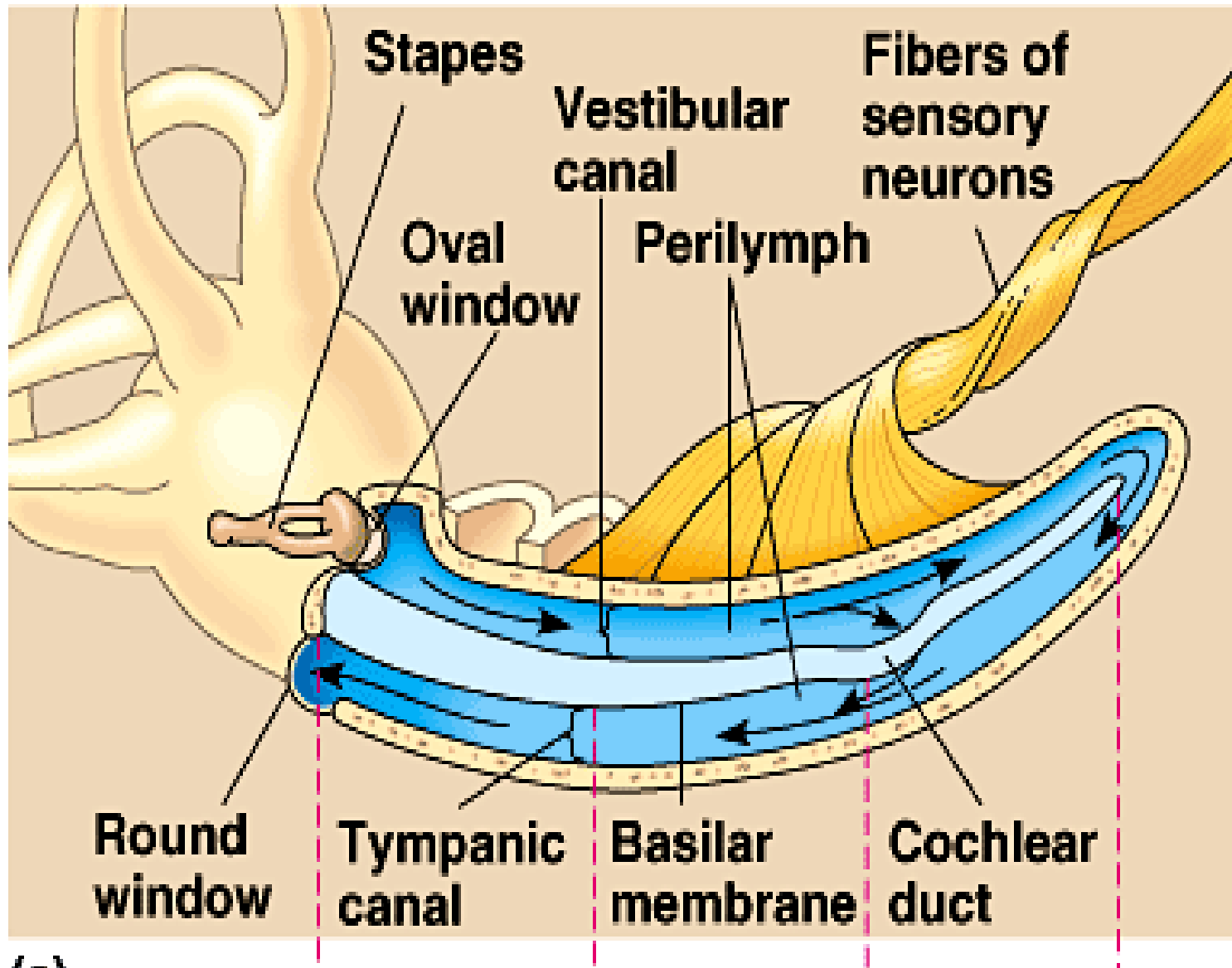
Outer Ear



Middle and Inner Ear

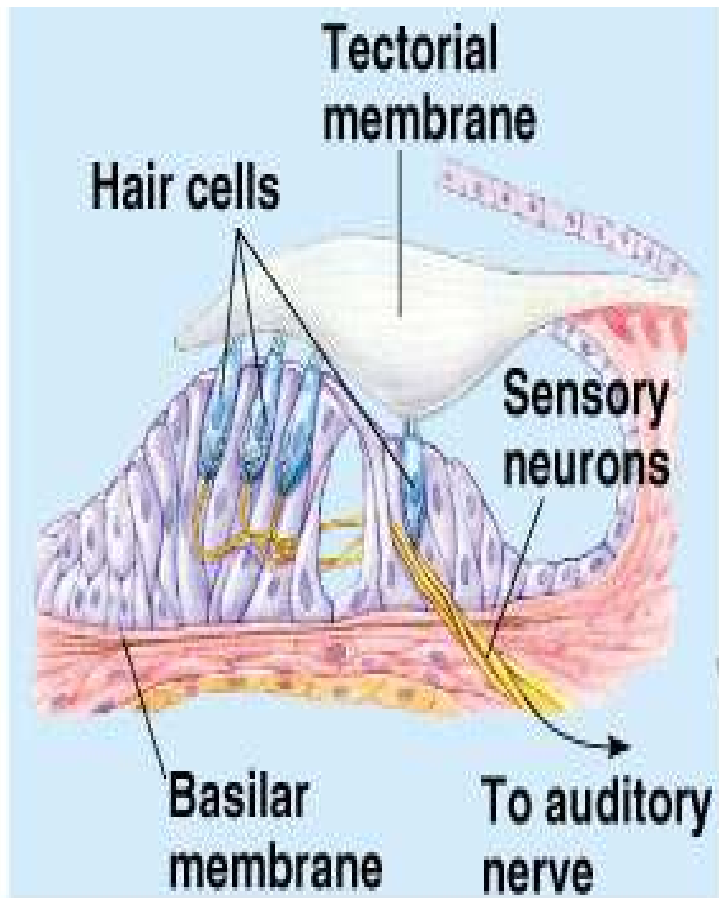


Inner ear - Cochlea

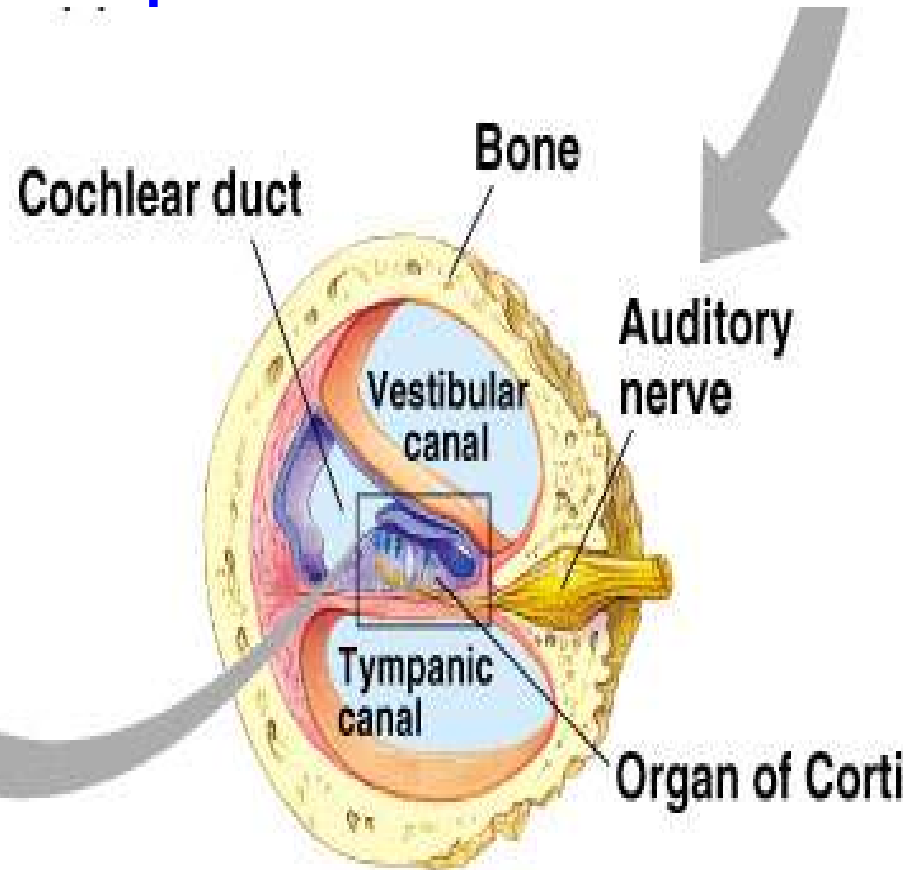


Cochlear Duct

Where the hairs bend and “create” the electrical impulse



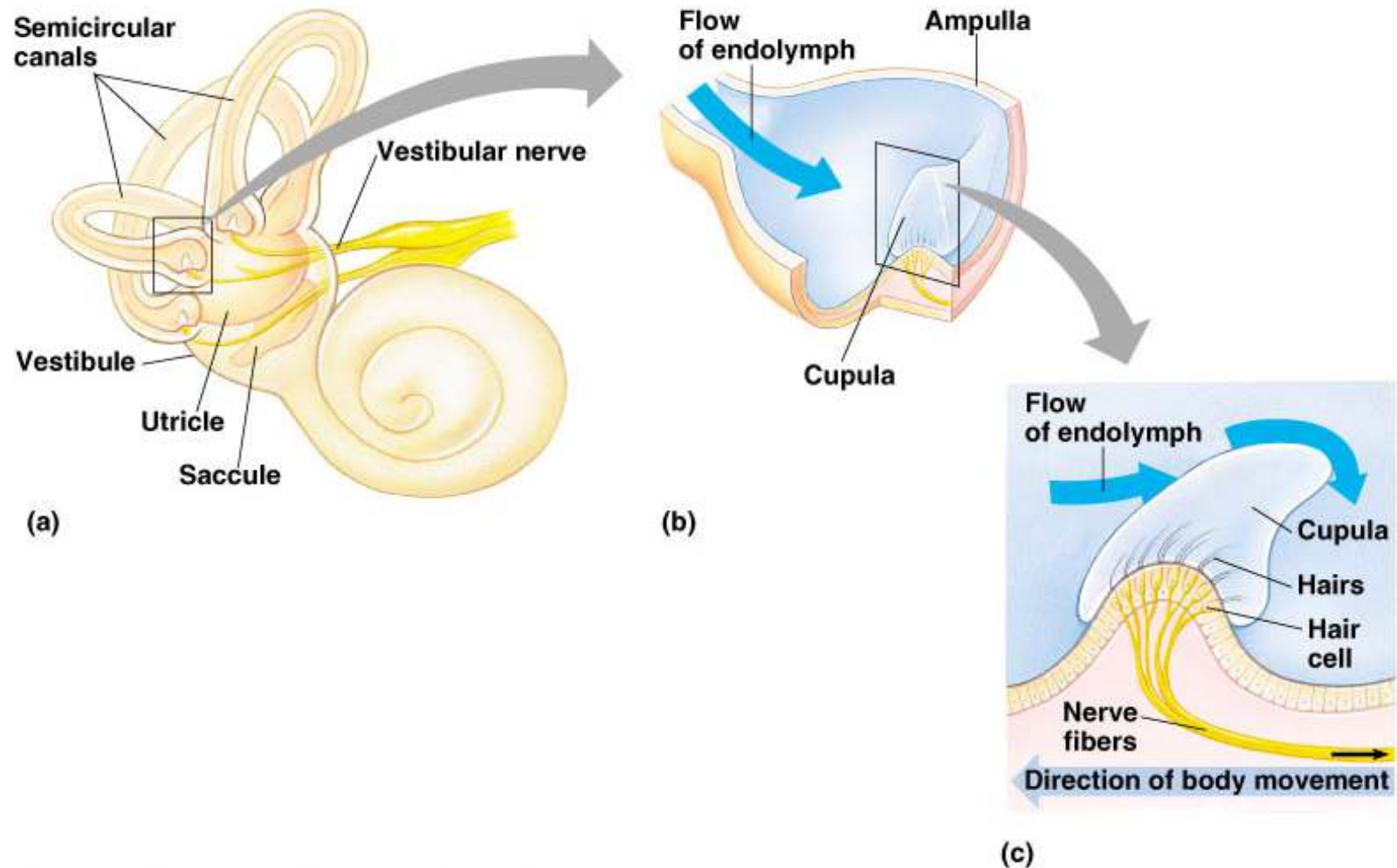
(d)



(c)

Balance – Semi-circular Canals

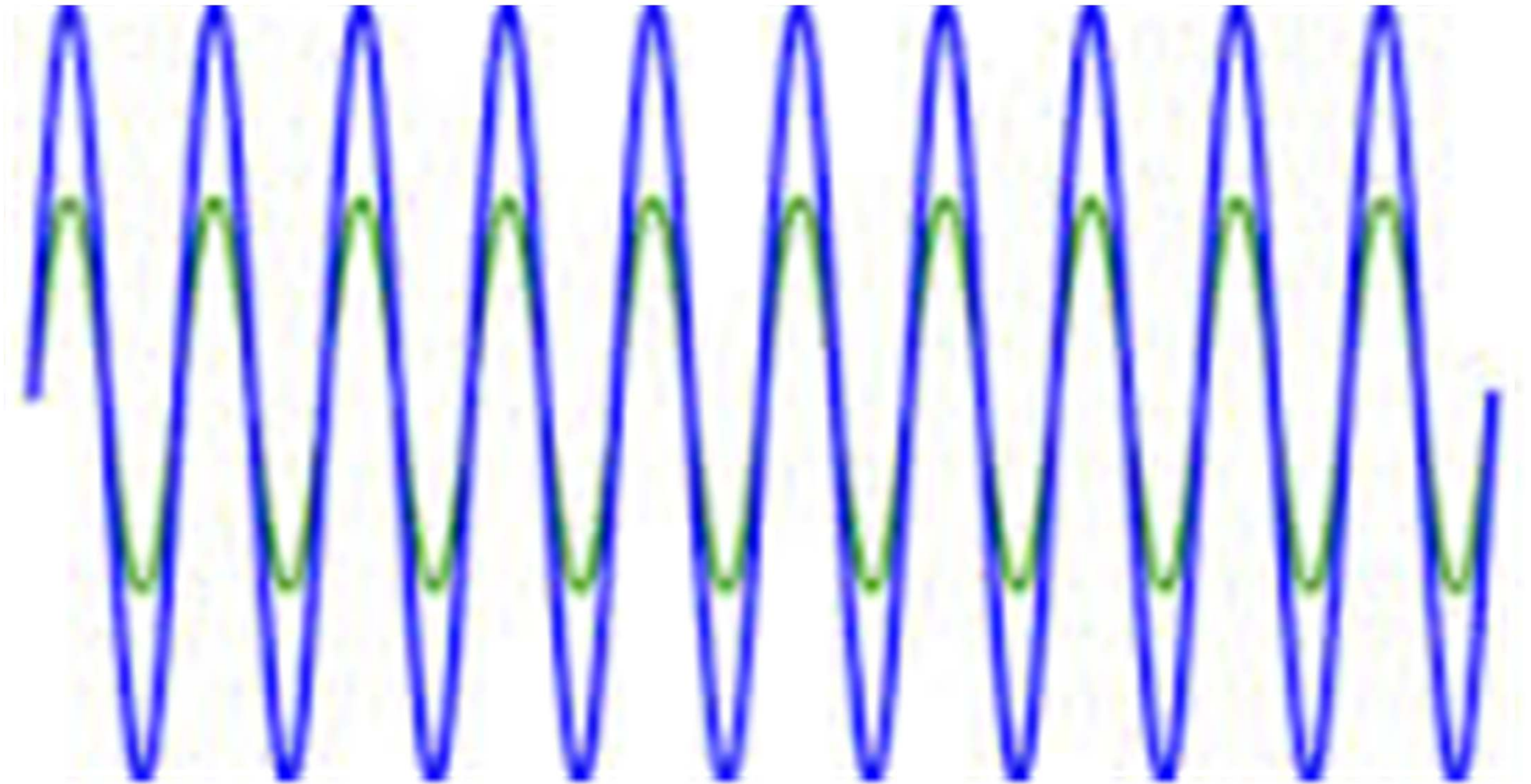
Hairs bending again.



Volume (loudness)

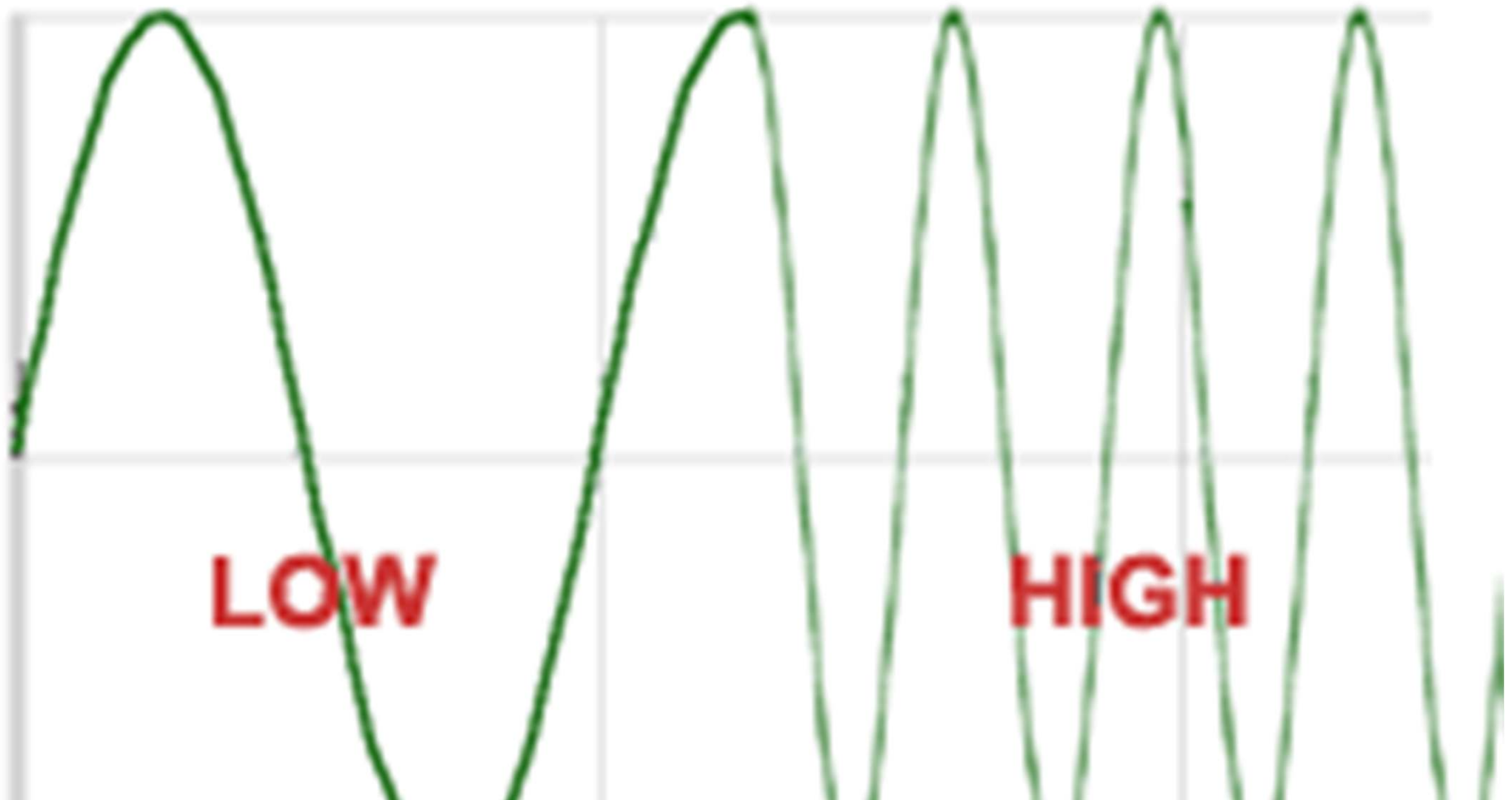
The *height* of the sound wave

Blue is loud; green is softer

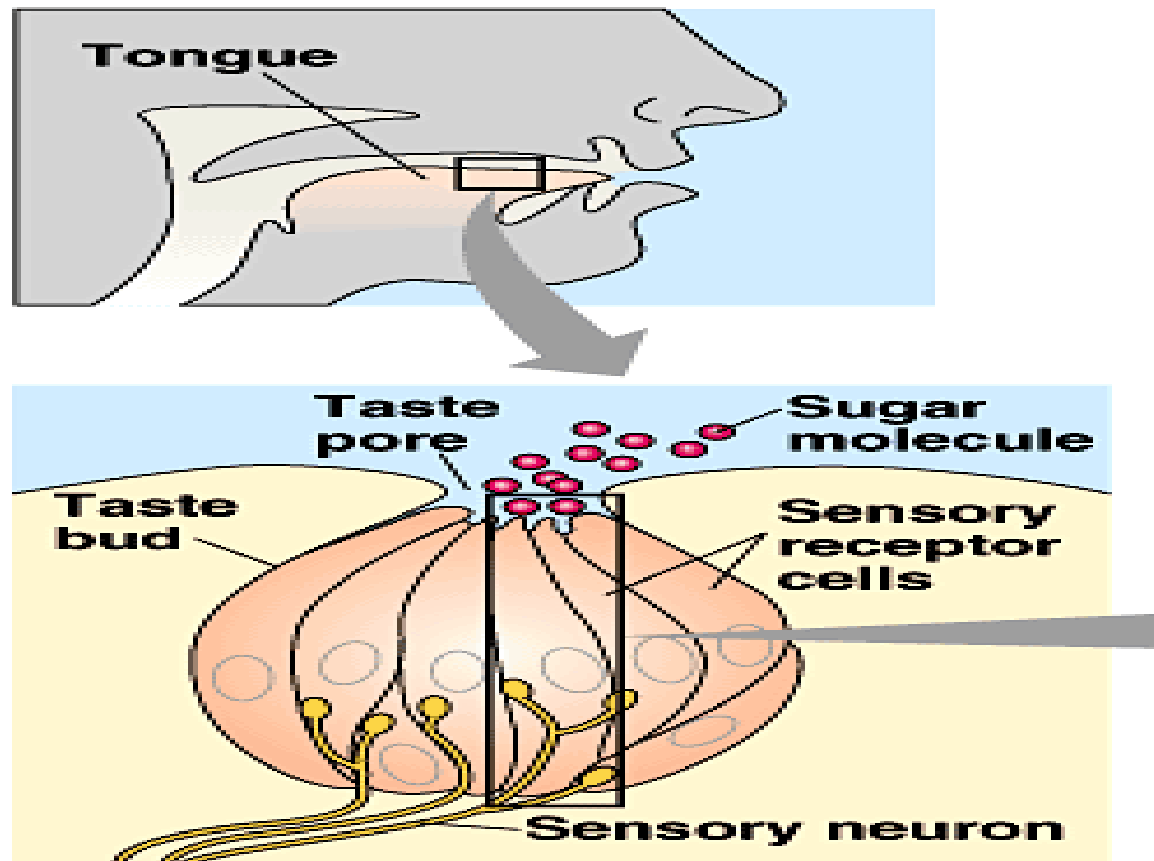


Pitch (Frequency)

Number of sound waves in a given time

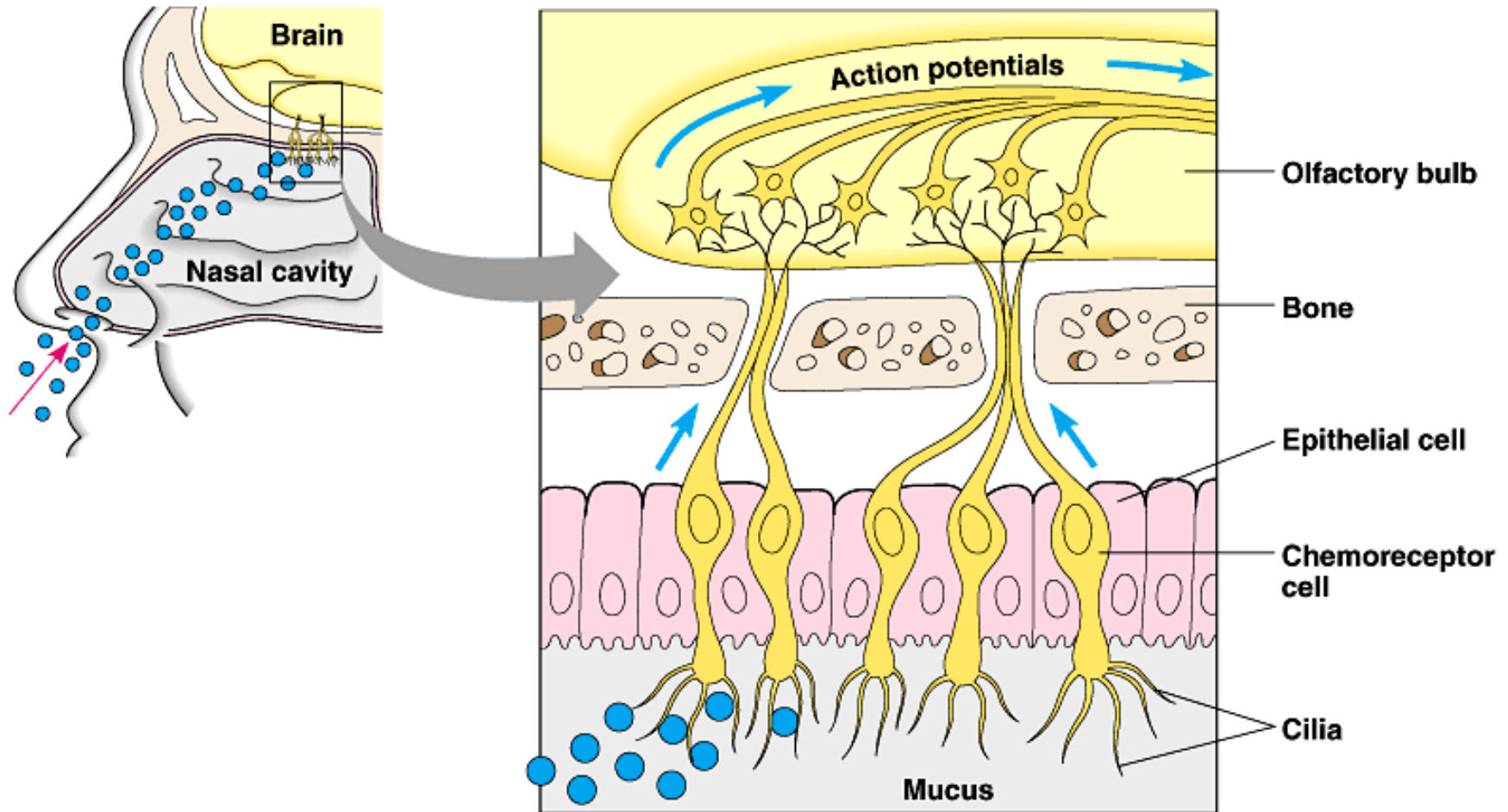


Taste – Chemoreceptors on the tongue



Taste bud anatomy

Smell – Chemoreceptors in the nasal cavity



Pre AP Biology

Sensory Mechanisms (8.10)

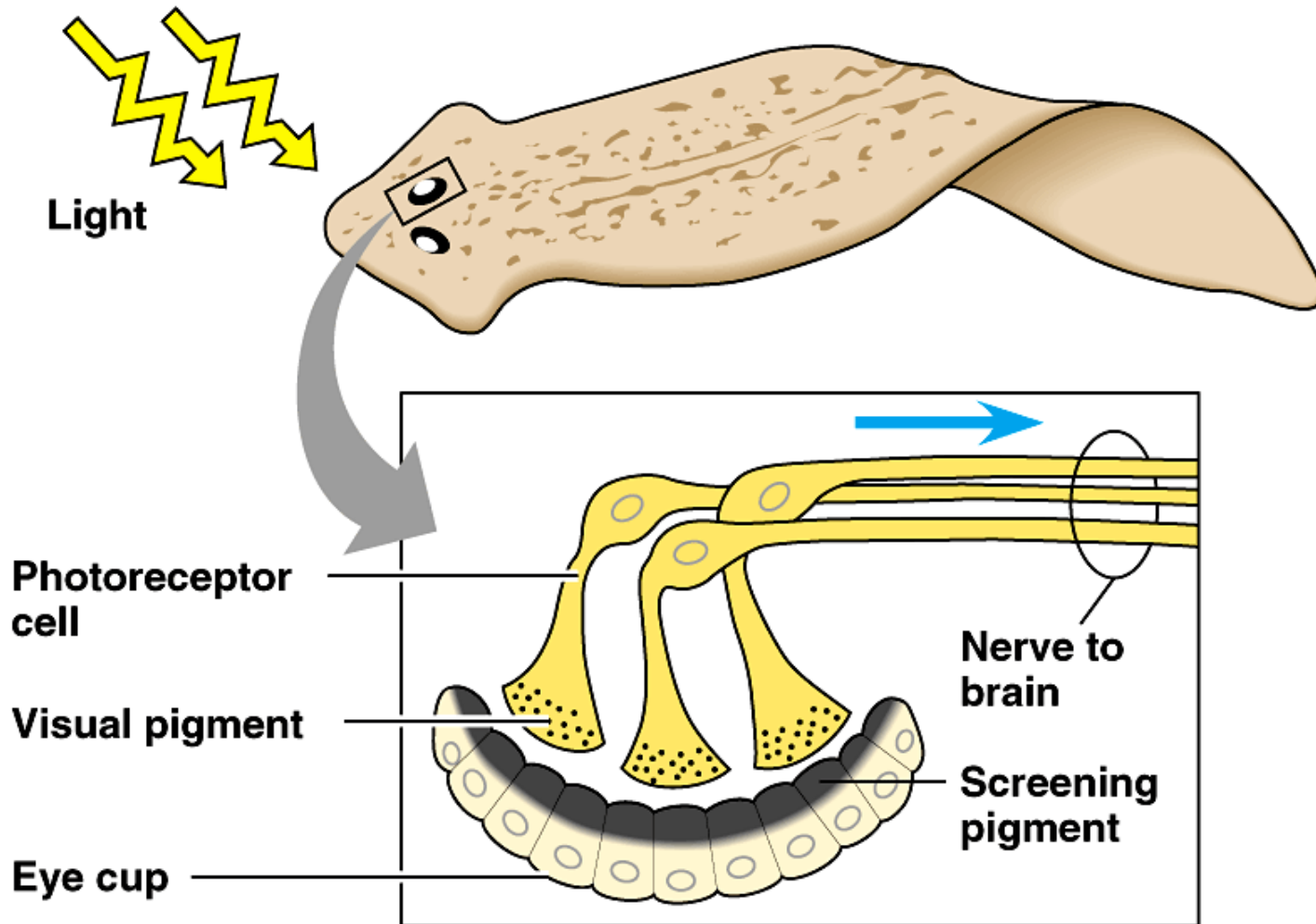
Part 2

Oscilli

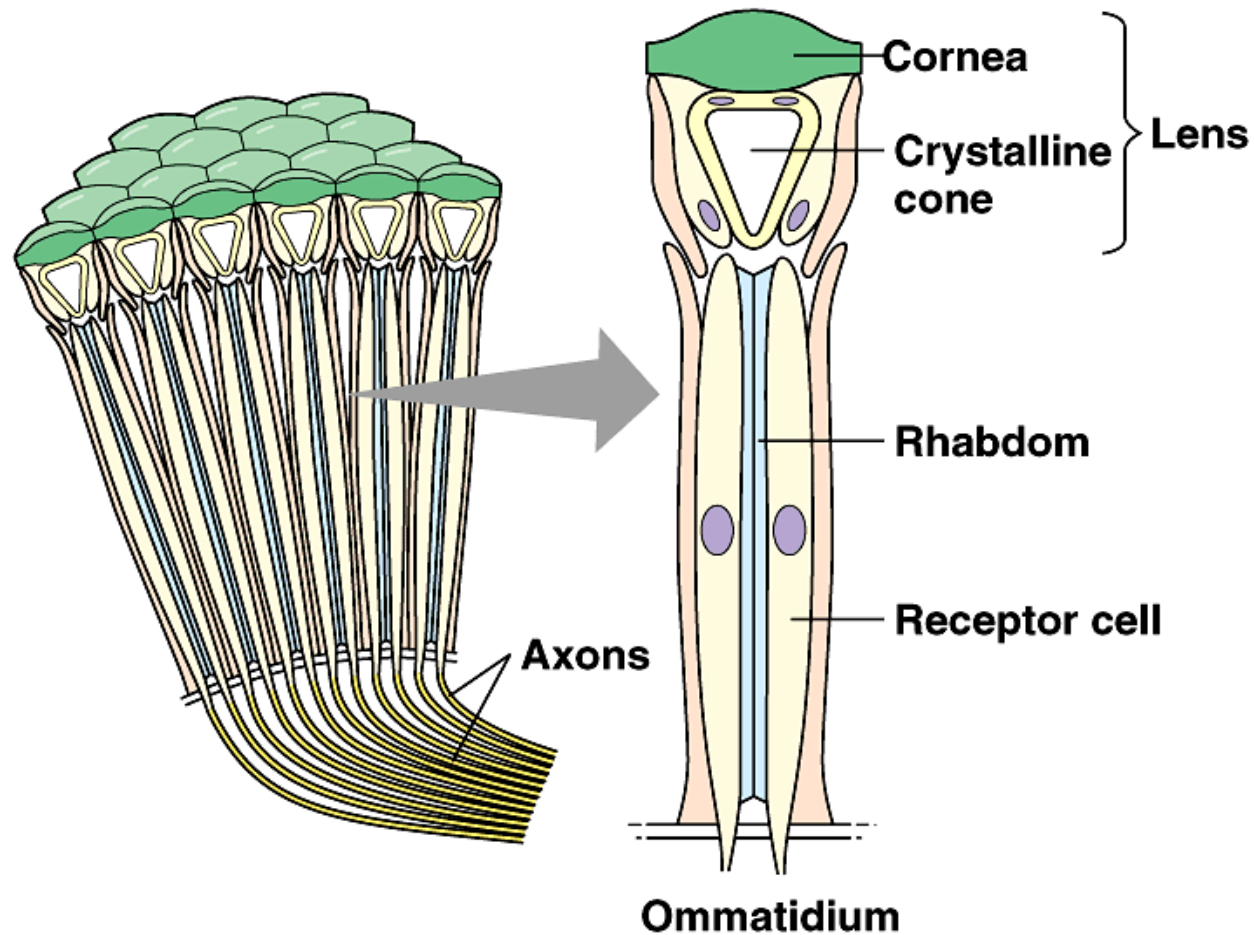
The black spots are the oscilli



Eye Cups



Compound Eye



(b)

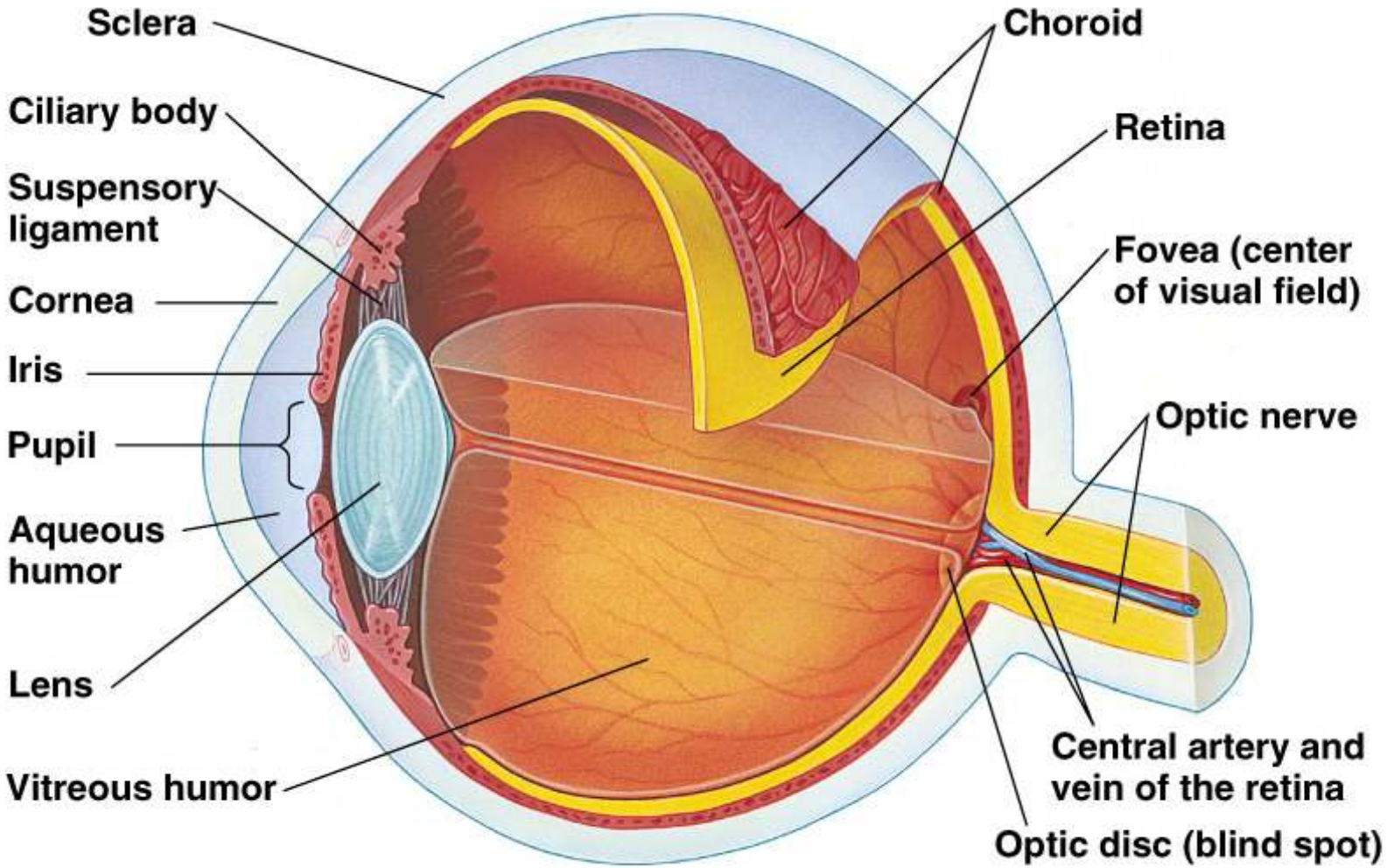
Compound Eyes of a fly



Single Eye

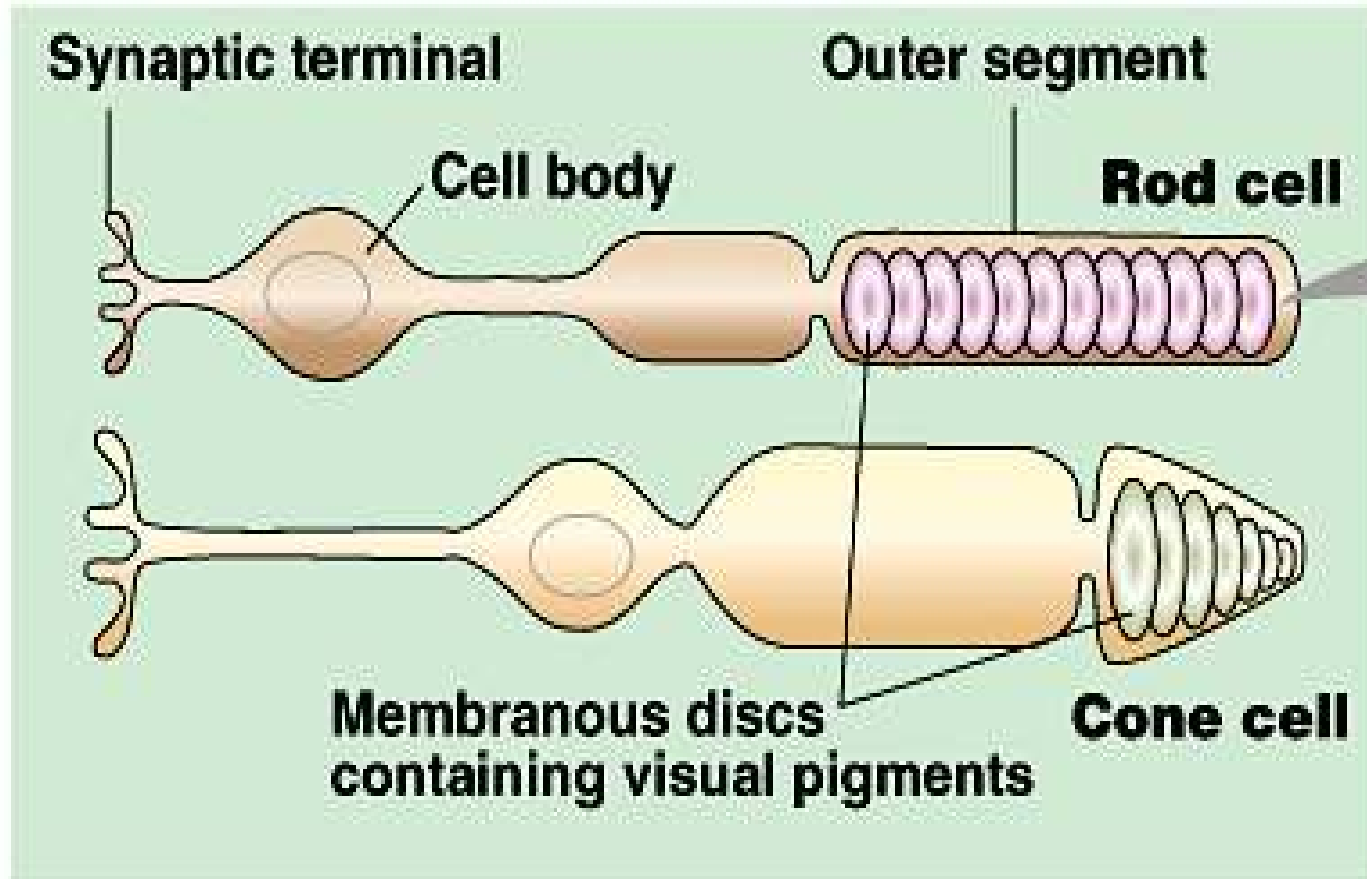


Eye Structure

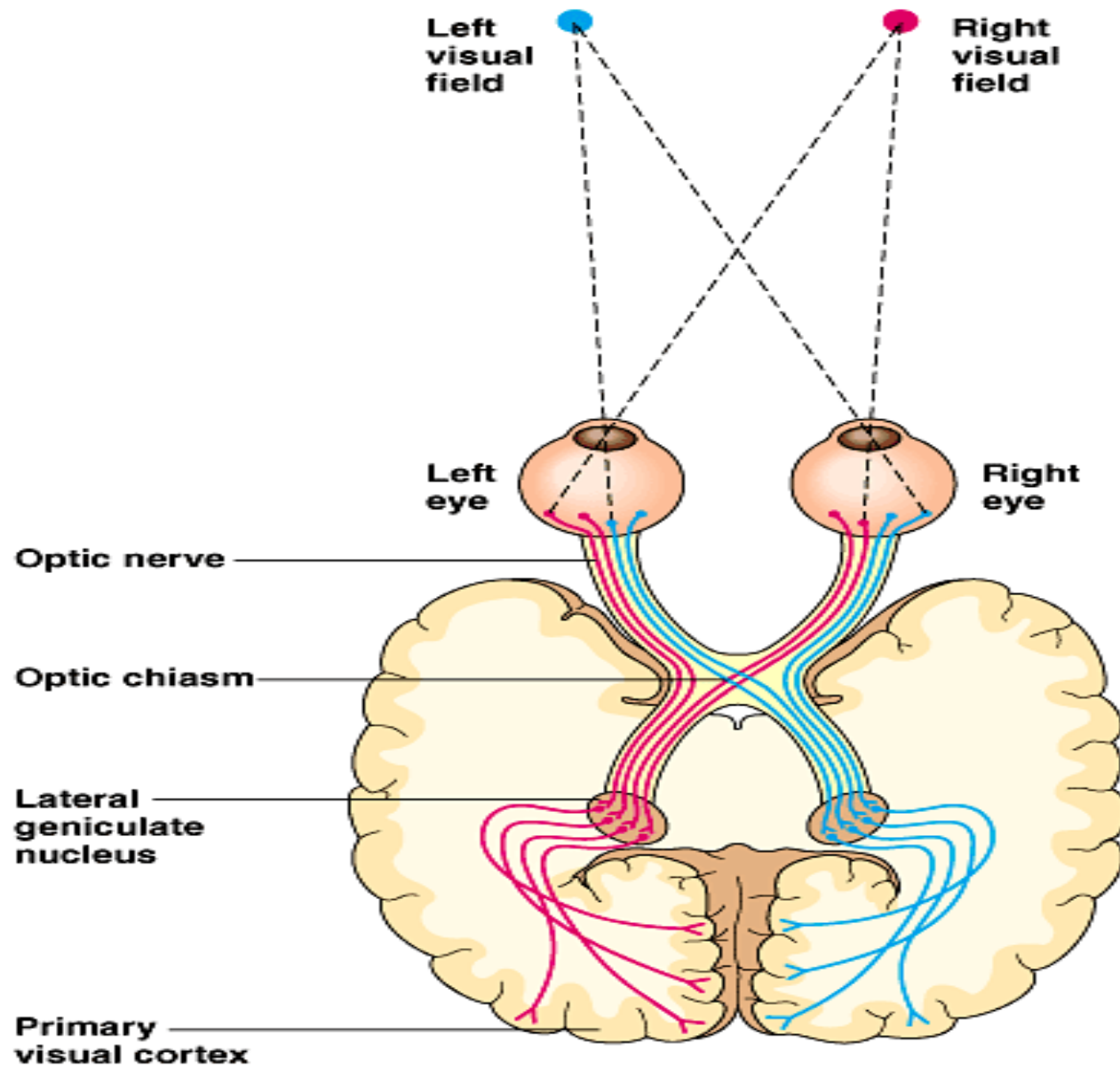


Rods vs. Cones

(Look at the shape)



Vision perception in the brain



Pre AP Biology

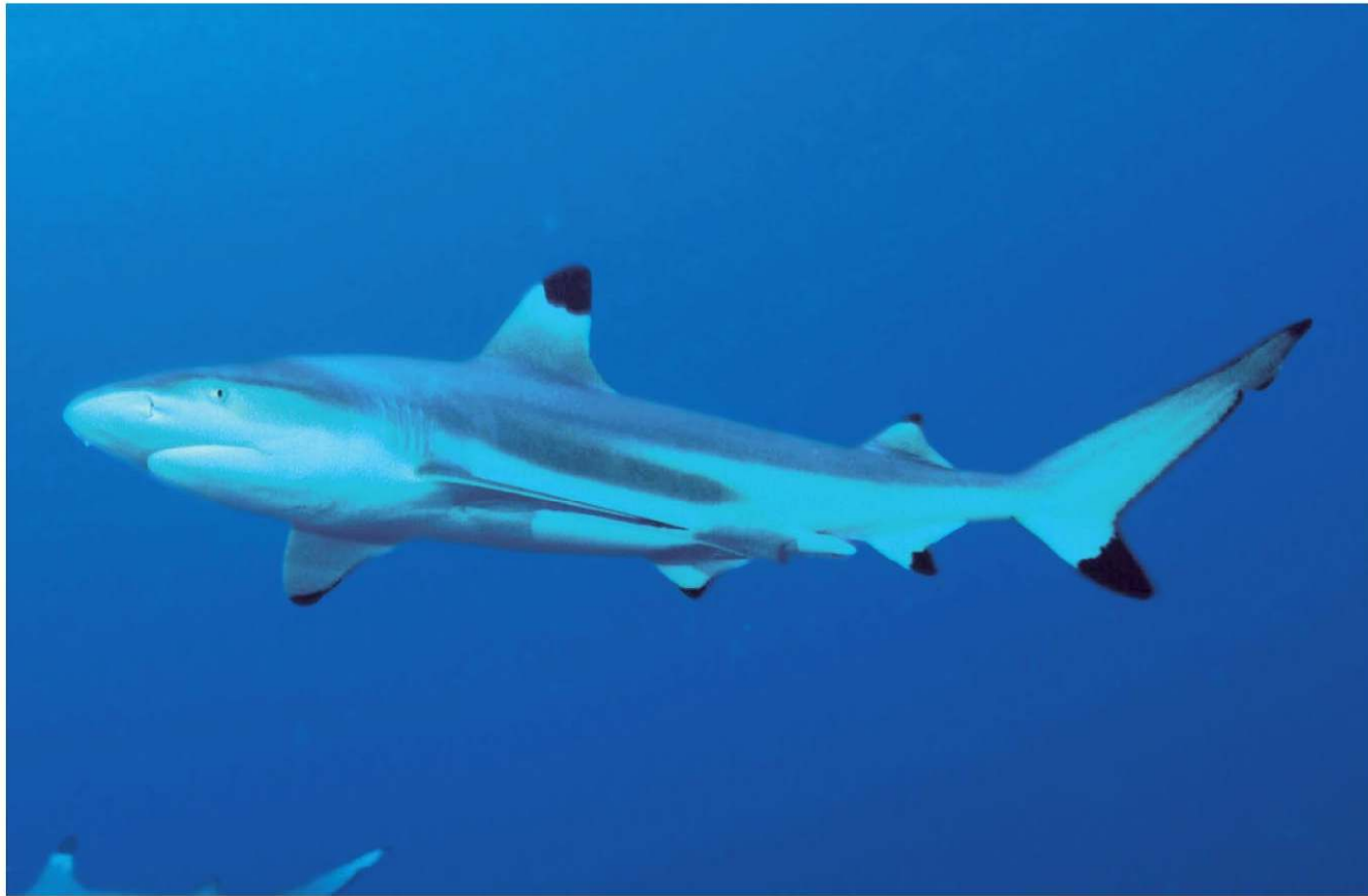
Sensory Mechanisms (8.10)

Part 3

Locomotion



Swimming and the Fusiform body shape



(a)

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Walk/Run



Flight



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