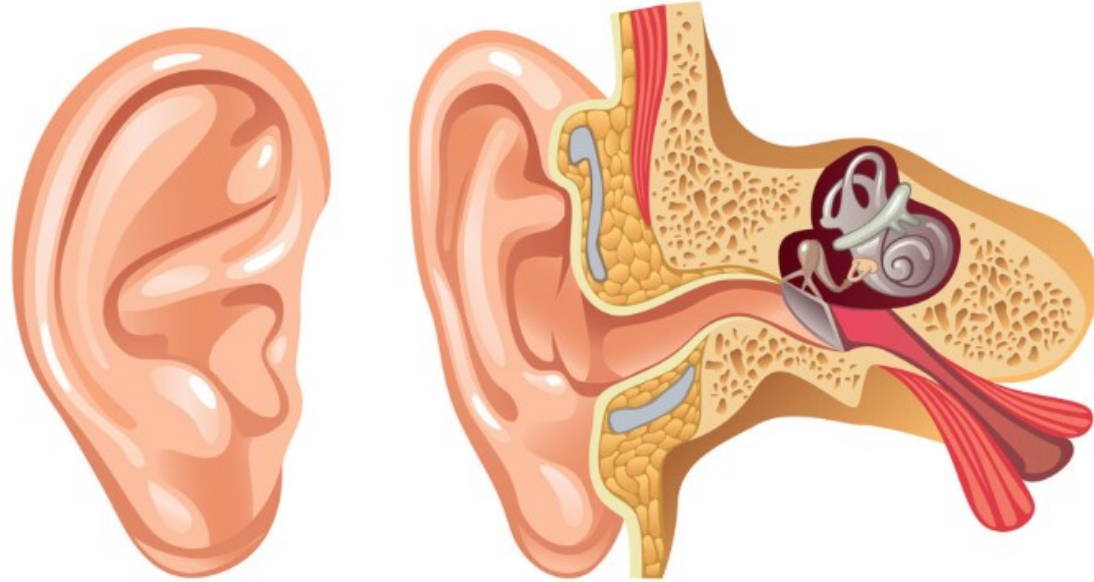


# HUMAN EAR

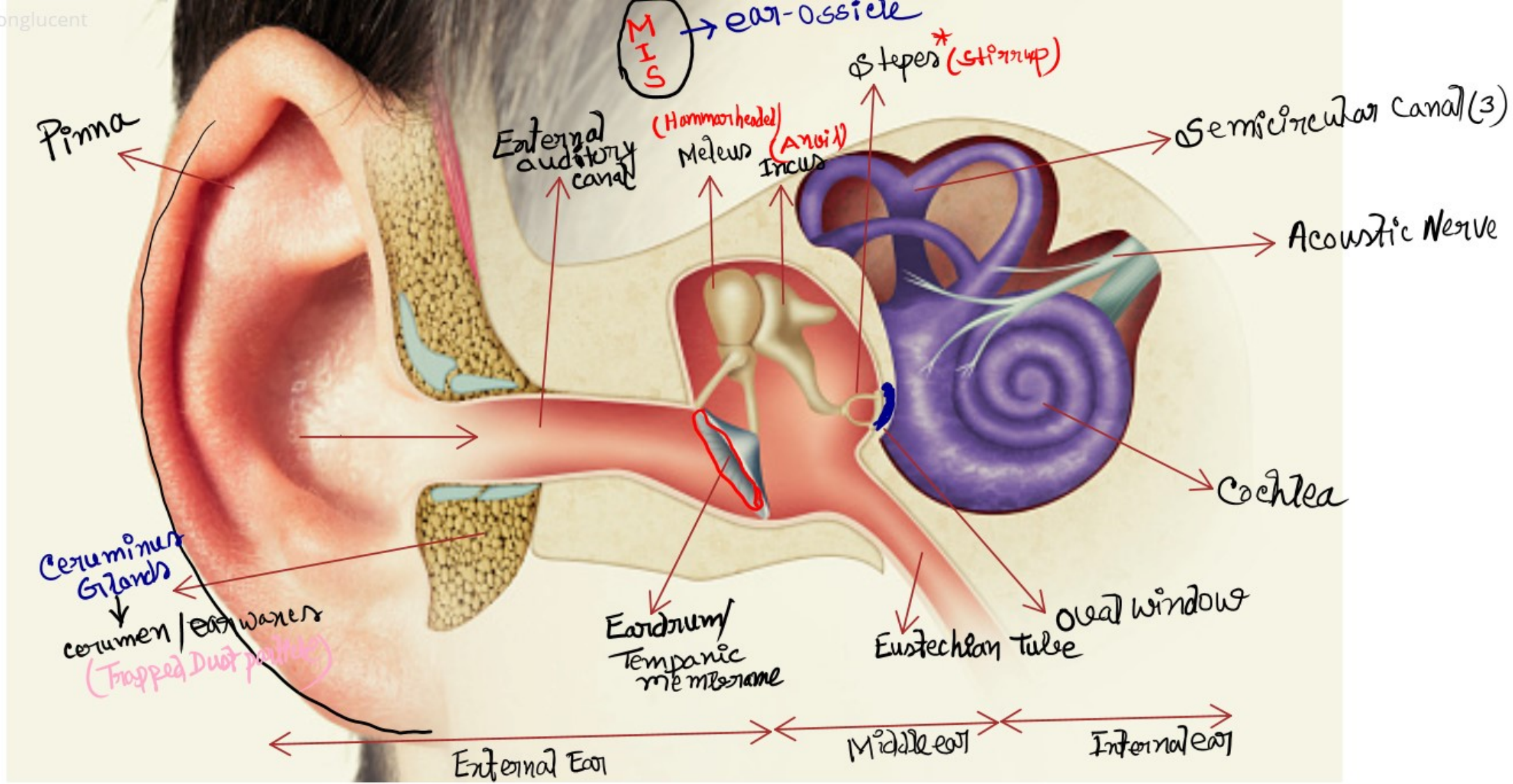




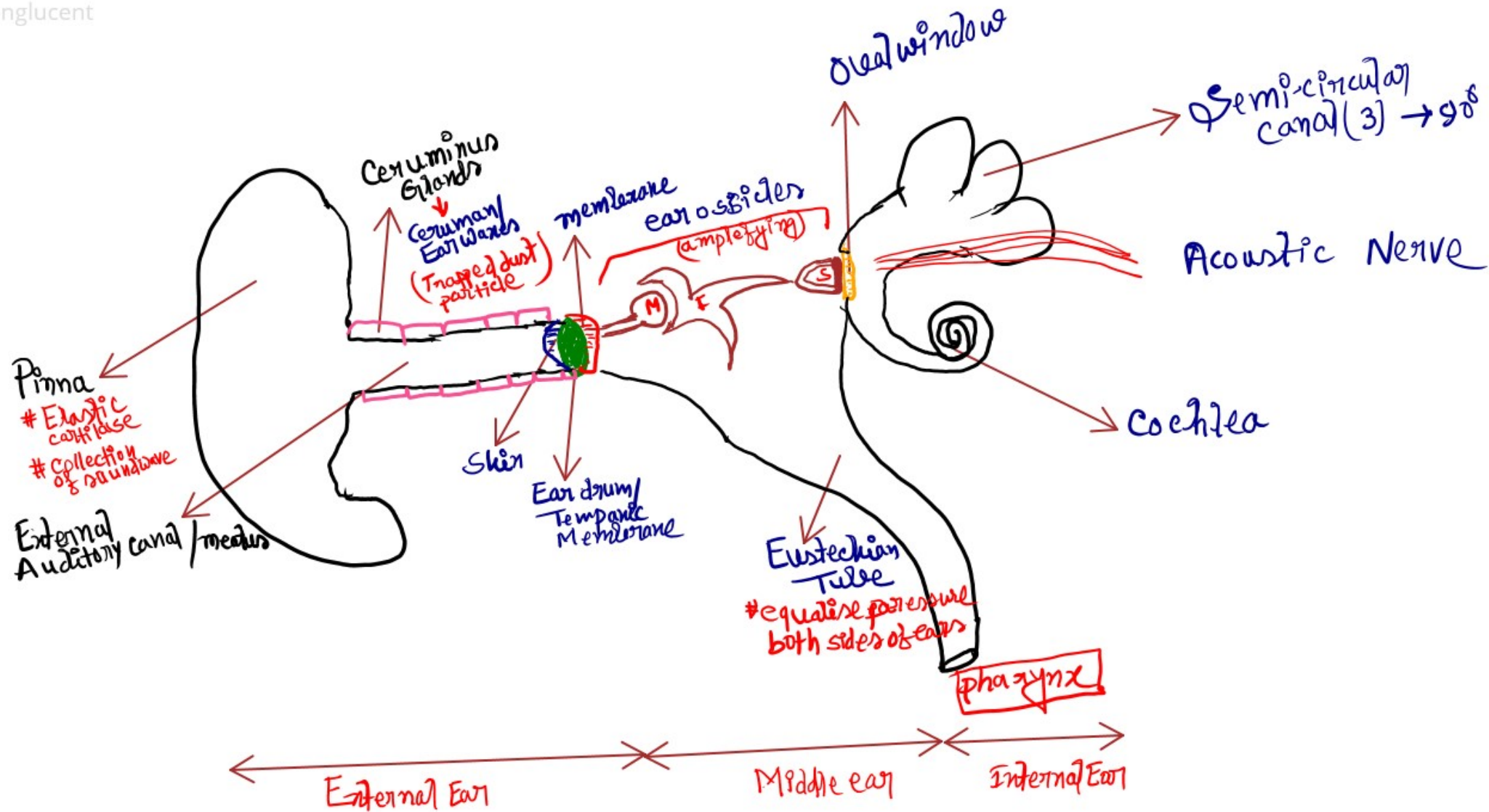
→ Pinna (collection of sound wave)

# Auricular Muscle → vestigial Organ

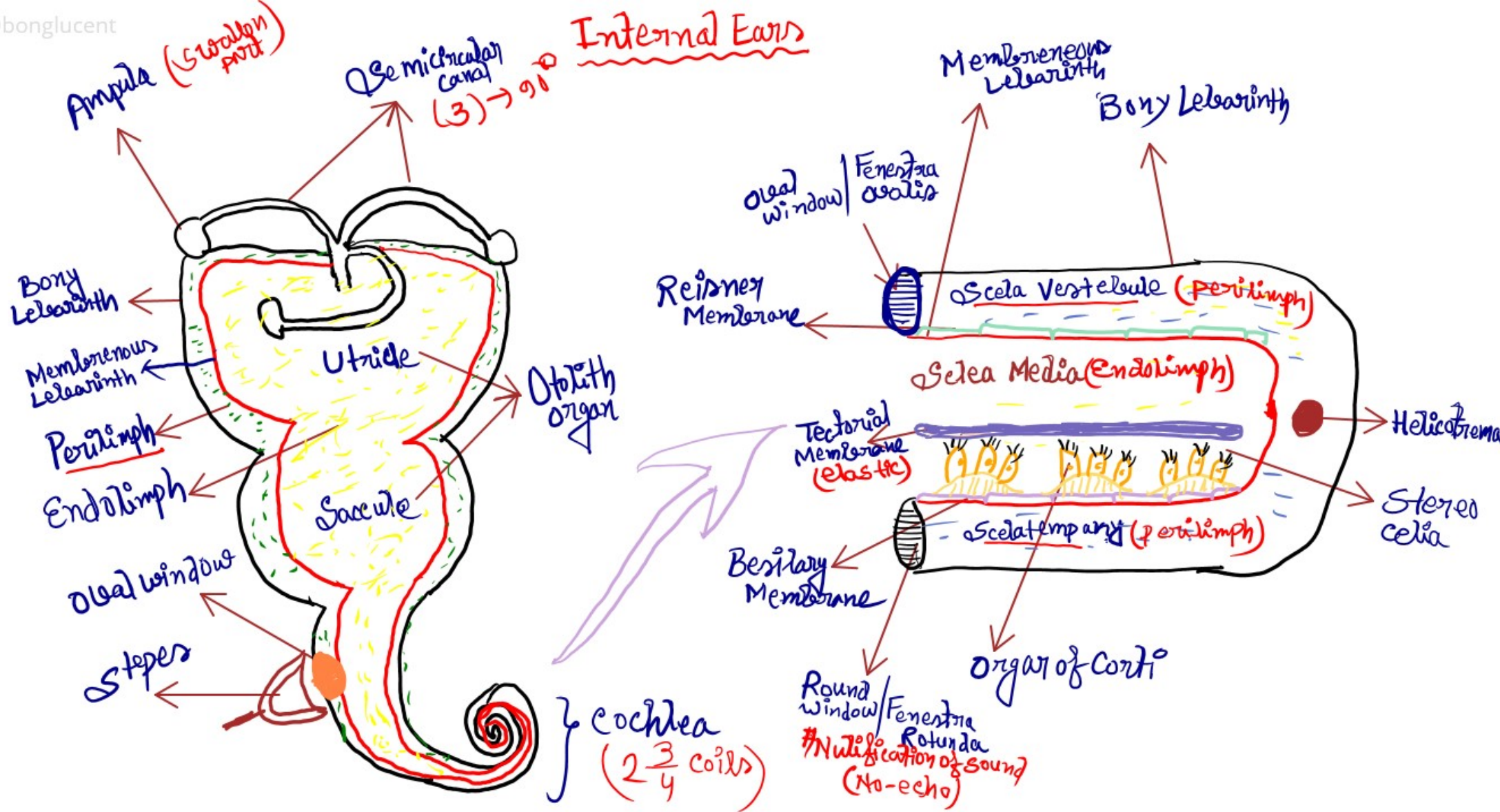
# Autocism







# Internal Ears



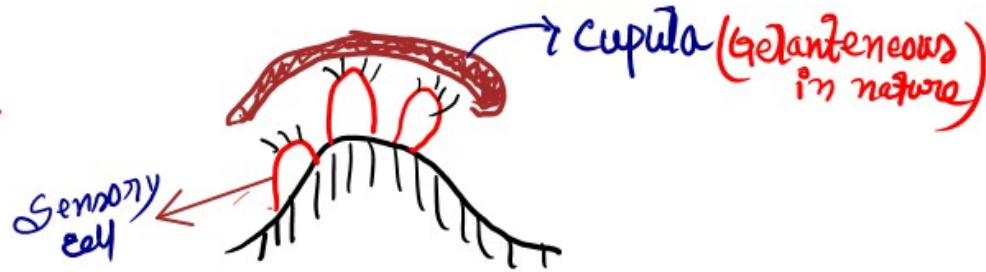
# Balancing (Vestibular Apparatus)

## Semicircular canal

#③ → 90°

⇒ Dynamic Balance

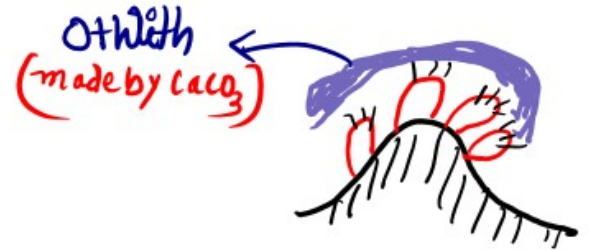
# Functional Unit ⇒ Crista ampullaris



## Otolith organ

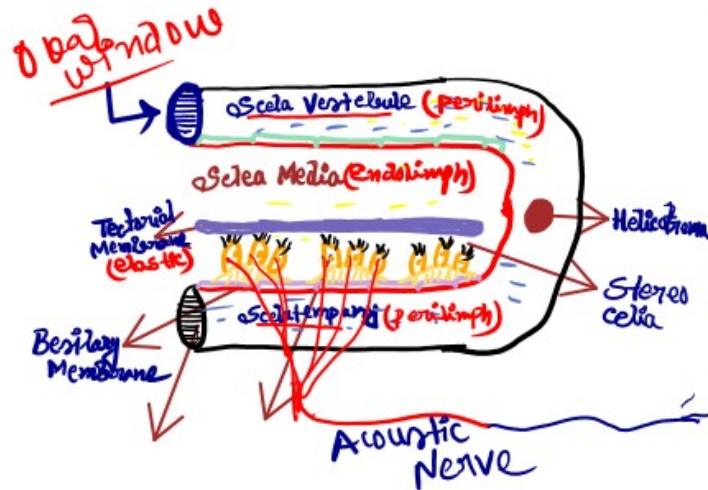
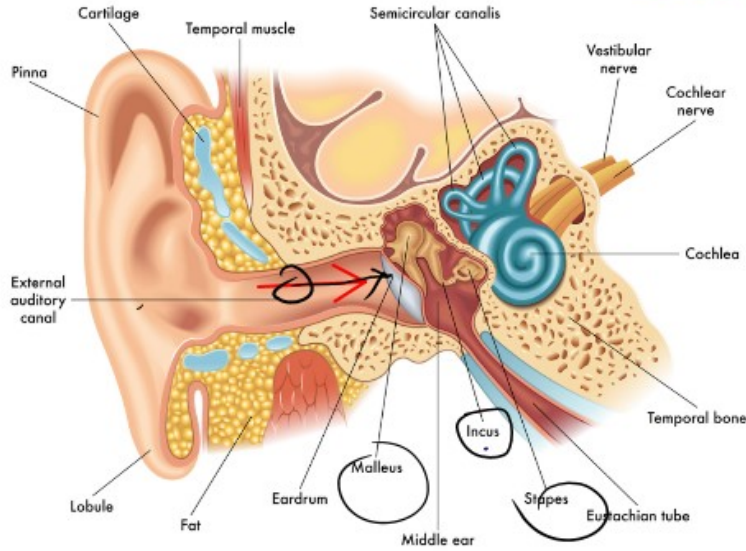
← Saccule → Utricle  
⇒ Static Balance

# Functional Unit ⇒ Macula





# Mechanism of Hearing



# Collection of sound waves by pinna

Sound waves travelled through external auditory canal

S.W vibrate on eardrum

Signal passes through ear ossicles (M → I → S) *(amplify)*

Stapes vibrates on oval window

Vibration of perilymph.

Basilar membrane moves up and down

Stereocilia touch to tectorial membrane

Generate action potential

Reached Brain through Acoustic Nerves.

Impulse analysed & sound is recognised

**THANK YOU**