

Sensory

THE EYE

Parts (KNOW FUNCTION OF EACH)

- cornea, lens, sclera, choroid, retina, rods, cones, fovea centralis, pupil, iris, optic nerve
- ciliary muscle -purpose?
- blind spot- what and where is it?
- Vitreous Humor and Aqueous Humor - location
- Rods and Cones – which is which and what do they do?
- color blindness- what is it?
- conjunctiva
- occipital lobe
- path of light into the eye?
- what is accommodation?
- near sighted /far sighted /astigmatism – what are they?
- EYE Diseases:
 - Glaucoma, cataracts, macular degeneration- what are they?

THE EAR

- 2 functions of the ear?
- inner ear / middle / inner ear
- OUTER EAR - Pinna, Auditory Canal, Tympanic Membrane
- MIDDLE EAR – Ossicles, Oval Window, Eustachian Tube
- INNER EAR - Cochlea, semicircular canals, vestibule

-know how **cochlea** works (page 458 in text)

-basilar membrane (in cochlea) is shaped like a xylophone
detecting higher frequencies at narrow end and lower pitch sounds at
wider

-Balance – 1) Semicircular canals- dynamic or movement

2) Vestibule – static or head orientation

-otoliths and cupula

-stereocilia

-organ of Corti – know how this works in cochlea (page 458 in text)

-PATO CAT

-2 reasons for hearing loss

-treatments for hearing loss – hearing aids and cochlear implant

(how how they work)

-what is tinnitus – how or why occur and how can be treated.

-Types of Receptors:

-mechanoreceptors – hearing, touch, pressure

-thermoreceptors - temperature

-chemoreceptors – smell(olfactory), taste

-Proprioception – what is it?