

HUMAN ANATOMY & PHYSIOLOGY I LAB – CAHS 121
Key Points

Lab # 13

EXERCISE #25 – Special Senses: Hearing & Equilibrium

- Know & ID structures of outer ear (for hearing only) (use ear model):
External auditory canal, tympanic membrane (eardrum), ceruminous glands
- Know & ID structures of middle ear (for hearing only) (use ear model):
Ossicles (hammer, anvil, stirrup), oval window, auditory tube
- Know & ID structures of inner ear (for hearing & equilibrium) (use ear model):
Cochlea (organ of corti), vestibule, semicircular canals; role of hair cells
- Perform tests of hearing as described in lab manual
- Perform tests of equilibrium as described in lab manual

EXERCISE #26 – Special Senses: Olfaction & Taste

- Know & ID olfactory epithelium and taste buds Figs. 26.1 & 26.2
- Dry tongue and perform dry taste test (cannot; saliva is needed to taste!)
- Map taste bud distribution (sweet, sour, salty, bitter) using liquids and swabs – no double-dipping!
- [Optional] Perform taste testing using a) texture & taste (hold nose & close eyes & don't chew), b) tactile stimulation from chewing (hold nose), c) smell information, d) identify the food? – use apple/potato/onion or others
Can also determine the effect of chilling the taste buds with ice cube
- Understand concepts of olfactory stimulation and olfactory adaptation

Homework – Study for Final Lab Practical – **KNOW ALL INFORMATION INDICATED ON “KEY POINTS” SHEETS!!!!**