Special Senses Study Sheet

1. What are oily secretions of the eye are called?
2. What is the cause of “pinkeye”?
3. What part of the eye is affected by “pinkeye”?
4. Name the substances that are produced by the lacrimal glands?
5. What is the function of lysozyme?
6. What is the correct anatomical name for the “white of the eye”?
7. Where is the “blind spot” located?
8. Why is the “blind spot” so named?
9. What is the name of the pigmented portion of the eye?
10. What are cataracts? How do they affect the eye? (not only vision but the eye itself)
11. Name the three major areas of the ear?
12. Name the six (6) extrinsic muscles that move the eyeball.
13. What is the difference between intrinsic and extrinsic muscles of the eyeball (as it relates to function)?
14. What is the function of vitreous humor?
15. Define accommodation.
16. Which of the senses is not fully functional at birth and requires many years of “learning”?
17. Which visual condition is present in newborn babies?
18. Define the following terms: presbyopia, astigmatism, presbycusis, glaucoma, hemianopia, strabismus, myopia, hyperopia, olfaction, audition, proprioception.
19. Know the role of the following receptors: mechanoreceptors, chemoreceptors, thermoreceptors.
20. Which taste sensations are detected by the taste buds on the tongue?
21. Which sense is most closely related to the sense of gustation?
22. Which cranial nerves control the following senses? Smell? Taste? Hearing?
23. Which substances are secreted by the tarsal glands? The lacrimal glands? The ceruminous glands?
24. Name the three (3) ear ossicles. Give both the anatomical name and the common name.
25. How does aging affect the production of tears by the lacrimal glands?
26. What is the common name for cerumen? What is the function of cerumen?
27. Which structures are located inside the inner ear? The middle ear?
28. What is the pinna? What is its function?
29. What is the common name of the tympanic membrane?
30. What is the function of the oval window?
31. What is the function of hair cells?
32. Where are hair cells located?

Be able to sketch an anterior view of the eyeball and label the pupil, sclera, iris.

Be able to sketch a map of the tongue labeling the location of taste receptors.