**MEDICAL TERMINOLOGY: The Special Senses Anatomy**

Complete the following notes using your textbook

The Function of the Special Senses:

Describe the following structures of the eye and define their function:

Conjunctiva-

Sclera-

Choroid-

Iris-

Pupil-

Lens-

Ciliary Body-

Aqueous Humor-

Vitreous Humor-

Retina-

Photoreceptors-

Rods-

Cones-

Macula-

Optic Nerve-

Optic Disc-

Fovea Centralis-

Lacrimal Glands-

Lacrimal Canaliculi-

Lacrimal Sac-

Lacrimal Duct-

**The Ear:** Explain each area (outer, middle, inner) and its function

Describe the structures of the ear (list other names for the structures if needed):

Auricle-

Auditory Canal-

Ceruminous glands

Cerumen-

Tympanic Membrane-

Auditory Ossicles-

Malleus-

Incus-

Stapes-

Eustachian Tubes-

Labyrinth-

Cochlea-

Organ of Corti-

Vestibule-

Semicircular Canals-

Oval Window-

Round Window-

Vestibulocochlear Nerve-

The Nose: Describe the following structures and define their function:

Olfactory Receptor Cells-

Olfactory Nerve-

Olfactory Bulb-

Describe how the olfactory cells are uniquely “wired”-

The Tongue:

What type of tissue makes up the tongue?

What does the term stratified mean?

What does the term squamous mean?

What does the term mastication mean?

What does the term deglutition mean?

Describe the following structures and their functions:

Papillae-

Taste Buds-

Gustatory Sense-

**Skin/Touch:**

What 4 sensations are detected by the sense of touch?

Describe the location of each type of sensory detector.

**Diseases and Conditions of the Eye (list common names in addition to description)**

* amblyopia
* cataract
* glaucoma
* hordeolum
* nystagmus
* hyperopia
* myopia
* presbyopia
* strabismus

**Diseases and Conditions of the Ear (list common names in addition to description)**

* Conductive deafness
* Nerve deafness
* Impacted cerumen
* Meniere’s disease
* tinnitus

**Other Disease and Conditions**

* ageusia
* anosmia

**Diagnostic Tests and Procedures (describe and note what sense it is used to test)**

* Ishihara Color Vision Test
* Visual acuity test
* Visual field test
* audiometry
* LASIK
* Enucleation
* phacoemulsification
* Precision Nerve Exams (list all)

**Careers**

Optometrist

Ophthalmologist

Audiologist

***\*Be sure to document all new chapter 10 abbreviations in your journal\****