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signals to the brain which lead to the perception of that stimulus 13 7 cow eye dissection there are four primary senses that have specialized organs associated with them the eye the ear the nose and the tongue these organs process visual auditory olfactory and taste sensations 1 broadly sensations fall into two categories general and special senses general senses include touch pain temperature proprioception vibration and pressure special senses include vision hearing taste and smell special senses are processed via cranial nerves and differ from the pathway utilized in processing general senses our mission is to improve educational access and learning for everyone openstax is part of rice university which is a 501 c 3 nonprofit give today and help us reach more students help openstax this free textbook is an openstax resource written to increase student access to high quality peer reviewed learning materials seeley stephens and tate anatomy and physiology 6th ed chapter 15 the special senses page 3 of 18 created by martin e hicks community college of southern nevada 3 the gustatory cells then release that stimulate john and jane are in anatomy and physiology lab they are coloring their tongue to see if they are supertasters or not john states that he can see nearly 20 taste buds on jane s tongue within the circumscribed circle jane says no way you can t see taste buds with the naked eye they are two small special senses anatomy and physiology dive deep into the world of sight sound and sensation with our guide on special senses anatomy and physiology for the curious interesting and useful by

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hearing touch smell taste lacrimal gland tympanic membrane ossicles  
pharyngotympanic auditory tube leads from middle ear to nasopharynx inner  
labyrinth ear vestibule semicircular ducts and cochlea mechanics of hearing sound  
sets up in air that beat against the that pushes a chain of tiny bones the last of  
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cellular level of organization 3 0 introduction 3 1 the cell membrane 3 2 the  
cytoplasm and cellular organelles 3 3 the nucleus and dna replication 3 4 proteins

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ear to nasopharynx inner labyrinth ear vestibule semicircular ducts and cochlea  
mechanics of hearing sound sets up in air that beat against the that pushes a chain  
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