## Cheatography

## Psyc 101 taste and smell Cheat Sheet by Laraemcekroy via cheatography.com/168079/cs/35133/

Sensing sound		How we experience taste		Outer ear funnels:	Food percep	tion
Pure tone:	A simple wave that consists of regularly altern- ating regions of higher and lower	Stimuli:	When you bite into something, molecules dissolve in fluid on your tongue.	<ul> <li>the outer ear collects sound waves and funnels them towards the middle ear</li> <li>the middle ear transmits the vibrations to the inner ear</li> <li>the inner ear is where they are transduce into neural impulses</li> <li>the middle of the ear behind</li> </ul>	- A multi sensory involving taste smell and texture. Learned preferences in food are important in determining flavour and taste experiences dramatically vary widely across individuals	
frequency:	air pressure. The sound wave depends on how often the peak in air pressure passes the ear or microphone, measured in cycles per second.	Receptors:	<ul> <li>They are received by taste receptors in taste buds on your tongue and in your mouth and throat.</li> <li>The taste buds transmits the single along a</li> </ul>			
					Sound into neural impulses	
		Pathway to the brain:			Cochlea:	A fluid-filled tube containing cells that transduce sound vibrations into neural
Pitch:	How high or low a sound is.	cranial nerve, the eardru through the small bon	the eardrum contains three small bones called ossicles	Basilar	impulses. A structure in the	
amplitude:	Sound wave refers to its intensity, relative to the threshold for human hearing. It's perceived as		thalamus to other areas of your	- the outer area of the ear is called the pinna	membrane:	inner ear that moves up and
		brain. Perceiving taste: - Individual differences in taste perception:		Sensing touch - touch receptors under the skins surface enable us to sense		down in time with the vibrations relayed from the ossicles.
comple- xity:	loudness. Sound waves or the mixture of frequencies influenced by	ences		pain, pressure, texture, patterns or vibrations - stimuli: registers the temper- ature and pressure - receptors: temperature and	Travelling wave:	The up and down movement that sound causes in the basilar membrane.
	perception of timbre.	commonly think of as taste actually comes from the sense of smell - 5 basic tastes: ~ Salt, sour, bitter, sweet, savoury (umami)		pressure in your skin transmit that signal - pathway to the brain: along the cranial nerve through the thalamus to the area of the somatosensory cortex that processes the body parts that were touched	Inner hair cells:	Specialized auditory receptor neurons embedded in the basilar membrane.
timbre:	The quality of sound that allows you to distinguish two sources with the same pitch and					
	loudness.					



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Somatoser	nsation	Neural impulses to the brain			
The body s as the som	enses are referred to atosenses	(cont) ~ Area A1: the primary audi			
Haptic A	Haptic Active exploration of		cortex in the temporal lobe		
	he environment by ouching and grasping	Sensation to perception			
	bjects with our ands.	Sensation:	Pressure way the cochlea m		
Body posit	on		the basilar membrane sti ating the sens receptors calle hair cells.		
Propri- oception:	Sense of the body position.				
Vestibular system:	Three fluid-filled semicircular canals and adjacent organs located next to the cochlea in each inner ear; used with visual feedback to	Transd- uction:	When the hair bend, they cou the pressure waves into sig that are sent t brain by the auditory nerve		
Neural imp	maintain balance.	Percep- tion:	The auditory r carries the ne signal first to t thalamus and		
- Action po	tentials in the auditory				

 Action potentials in the auditory nerve travel to several regions of the brain stem in turn. - Cerebral called area A1 - there is some evidence that the auditory cortex is composed of two distinct streams. Roughly analogous to the dorsal and ventral streams of the visual system.

ensation to perception ensation: Pressure waves in the cochlea move the basilar membrane stimulating the sensory receptors called hair cells. ransd-When the hair cells bend, they convert iction: the pressure waves into signals that are sent to the brain by the auditory nerve. ercep-The auditory nerve carries the neural signal first to the thalamus and then to the primary auditory cortex, which processes your perception of

the sound.

eural impulses to the brain

Area A1: the primary auditory

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