

Allophonic variations	Descriptions	Examples
	addition of tongue front raising to hard palate	
	addition of tongue back raising to soft palate	
	addition of lip-rounding to consonants before rounded vowels or /w/	
	addition of nasality to vowels and approximants in the vicinity of a nasal consonant	
	An audible puff of air that occurs after voiceless plosives	
	lenis consonants are produced without vocal cord vibration for some or all of their duration at the beginning and end of words or next to fortis consonants.	
	Consonants are produced without vocal cord vibration when they occur in a cluster after a voiceless plosive in the onset of a stressed syllable.	
	Alveolars are dental before a dental fricative.	
	A sound is made with a place of articulation that is further back in the mouth than most other allophones of that phoneme.	
	Velars can be produced at a place of articulation further forward in the mouth than usual	
	Sounds are shorter before a voiceless consonant	

Advancement

Palatalization

[p<sub>l</sub>eɪ]

Approximant devoicing

Pre-fortis clipping

[p<sub>ɪ</sub>t]

Aspiration

Retraction

[p<sup>h</sup>æk]

Dentalization

Velarization

[stɪɫ]

Labialization

[b<sub>æ</sub>ŋ]

[tʃju:n]

Nasalization

[k<sub>ɛ</sub>ŋk]

[t<sup>w</sup>ɔ:k]

Obstruent devoicing

[k<sub>ɔ</sub>:t]

[weɫθ]

[mæ̃n]