

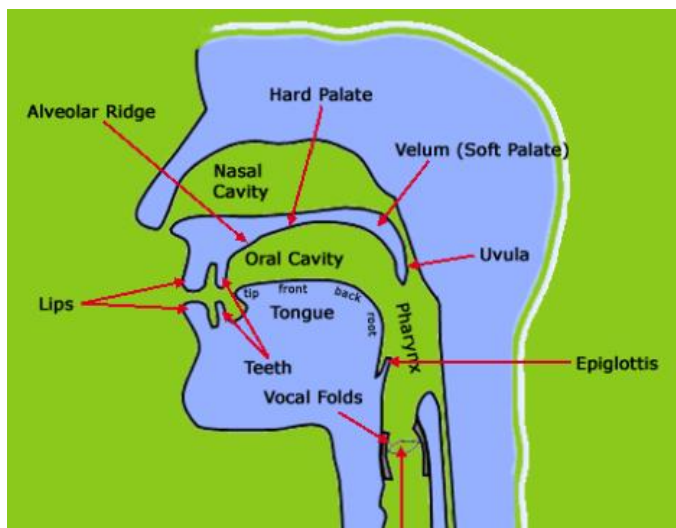


An Animated and Narrated Glossary of
Terms used in Linguistics
presents

Manner of Articulation



Articulators



Slide 2 

Manner of Articulation

- The **manner of articulation** refers to the way airflow is controlled in the production of a phone (i.e. a linguistic sound).

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Manner of Articulation on the IPA Chart

CONSONANTS (PULMONIC)												© 2005 IPA	
	Bilabial	Labiodental	Dental	Alveolar	Post-alveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal		
Plosive	p b			t d		ʈ ɖ	c ɟ	k ɡ	q ɢ		ʔ		
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ				
Trill		ʙ		ʀ					ʀ				
Tan or Elap				ɾ		ɽ							
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ		
Lateral fricative				ɬ ɮ									
Approximant		ʋ		ɹ		ɻ	j	ɰ					
Lateral approximant				l		ɭ	ʎ	ʟ					

... unless the ones to the right represent a voiced consonant. Shaded areas denote articulations judged impossible.

manner of articulation

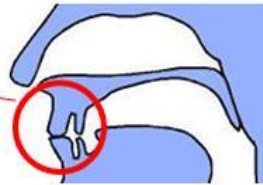
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Plosive

	Bilabial	Dental	Alveolar	Post alveolar	Retroflex	Palatal	Velar	Uvular	Glottal
Plosive	p b		t d		ʈ ɖ	c ɟ	k ɡ	q ɢ	ʔ

Plosives require **total obstruction** of airflow.

Lips closed



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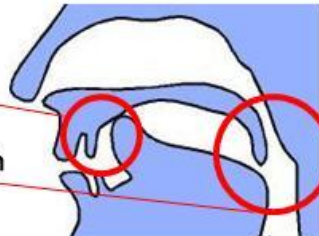
Nasal

	Bilabial	Labiodental	Dental	Alveolar	Post alveolar	Retroflex	Palatal	Velar	Uvular
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ

Nasals require air to flow out of the nose.

Coronal touching
alveolar ridge

Lowered velum
Air flows out through
nose



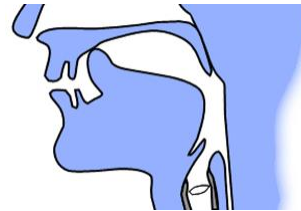
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Trill

	Bilabial	Dental	Alveolar	Post alveolar	Uvular
Trill	B		r		R

Trills are made by **rapid succession of contact** between articulators that obstruct airflow.



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Tap or Flap

	Bilabial	Labiodental	Dental	Alveolar	Post alveolar	Retroflex
Tap or Flap		V		ɾ		ɽ

A tap or flap is like trill, except that there is only **one rapid contact** between the articulators.

There is some difference between tap and flap, but we shall not pursue that here.



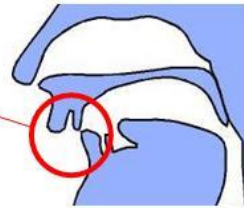
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Fricative

	Bilabial	Labiodental	Dental	Alveolar	Post alveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ

A fricative is formed when the **stricture is very narrow** (but without total closure) so that when air flows out, a hissing noise is made.

Lips and teeth come very close



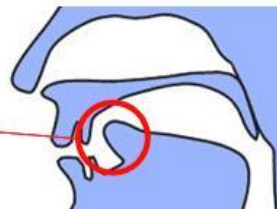
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Approximant

	Bilabial	Labiodental	Dental	Alveolar	Post alveolar	Retroflex	Palatal	Velar
Approximant		ʋ		ɹ		ɻ	ɹ̥	ɰ

An approximant is a phone made when the obstruction of airflow **does not produce any audible friction**.

Tip of tongue curl towards alveolar ridge



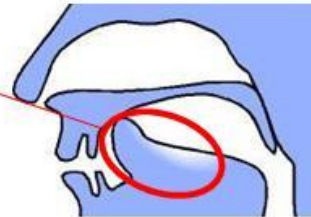
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Lateral

	Dental	Alveolar	Post alveolar	Retroflex	Palatal	Velar
Lateral approximant		l		ɭ	ʎ	ʟ

A lateral is made when air flows out of the sides of the mouth.


Coronal touching
 alveolar ridge
 Sides are lowered
 to allow airflow



Slide 11 

Note

- In this presentation, we have concentrated on the pulmonic consonants, but manners of articulation may be used to describe vowels and other linguistic sounds as well.

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The End

Wee, Lian-Hee and Winnie H.Y. Cheung (2009)
An animated and narrated glossary of terms used in Linguistics.
Hong Kong Baptist University.

