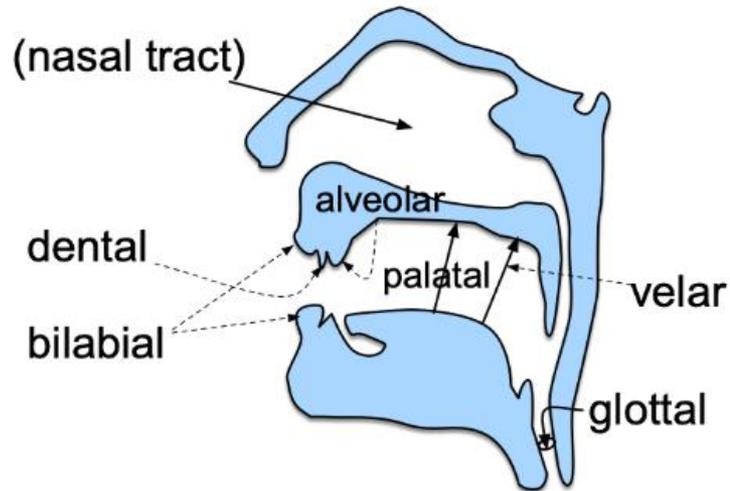


Places of Articulation



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The English Consonants

There are 3 aspects of articulatory properties

1. Voicing

2. Place of articulation

3. Manner of articulation

Places of Articulation

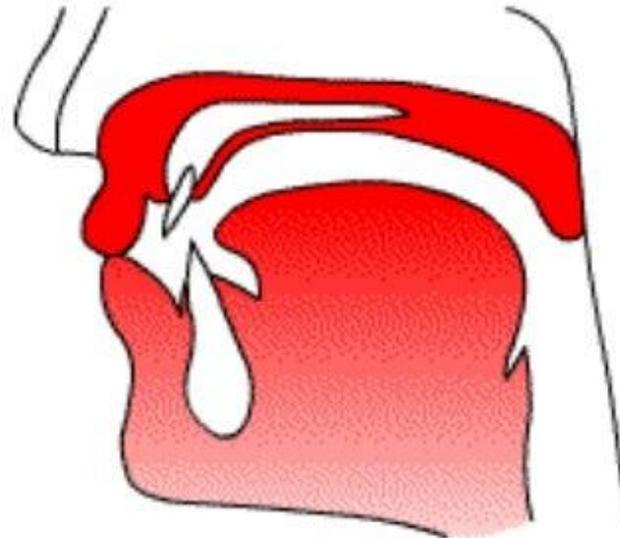
The English Consonants Chart

	Bilabial	Labio-dental	Dental	Alveolar	Post-alveolar	Palatal	Velar	Glottal
Plosive	p b			t d			k g	
Nasal	m			n			ŋ	
Fricative		f v	θ ð	s z	ʃ ʒ			h
Affricate					tʃ dʒ			
Lateral				l				
Tap or Flap								
Approximant	(w)			ɹ		j	w	

Place of Articulation

Bilabial

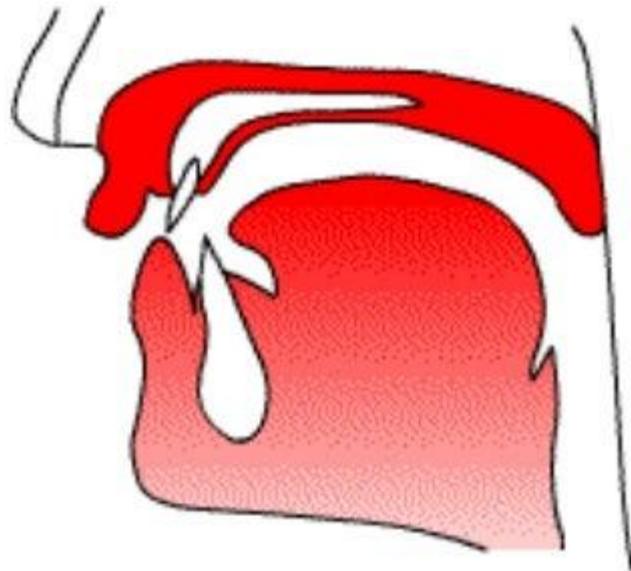
The lower and upper lips approach or touch each other as in the sounds [p], [b], and [m]



Place of Articulation

Labiodental

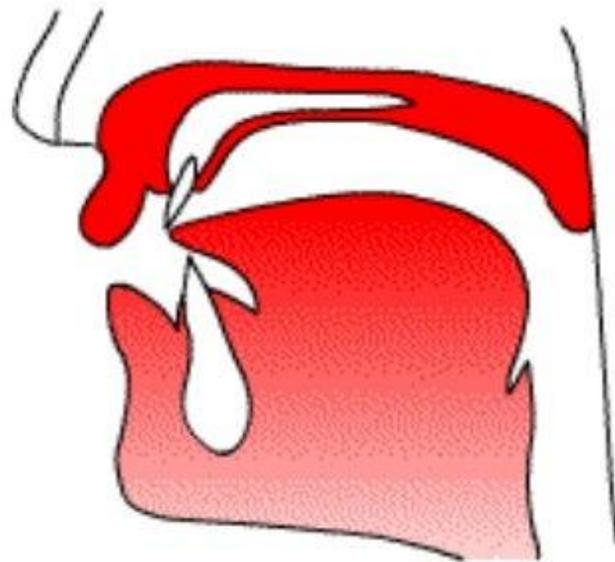
The lower lip approaches or touches the upper teeth as in the sounds [f] and [v]



Place of Articulation

Dental and Interdental

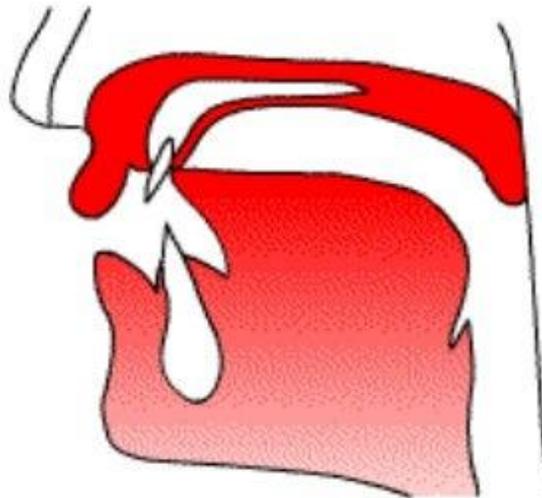
The tip or blade of the tongue approaches or touches the upper teeth as in the sounds [θ] and [ð]



Place of Articulation

Alveolar

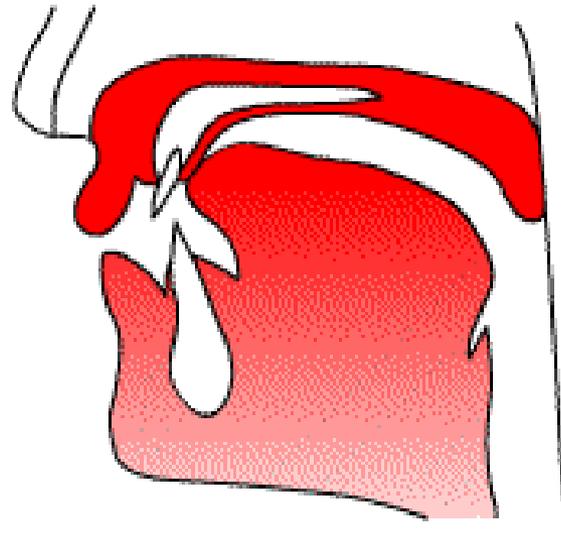
The tongue tip approaches or touches the alveolar ridge, the ridge immediately behind the upper teeth as in the sounds [t], [d], and [n], [s], [z] and [l]



Place of Articulation

Postalveolar

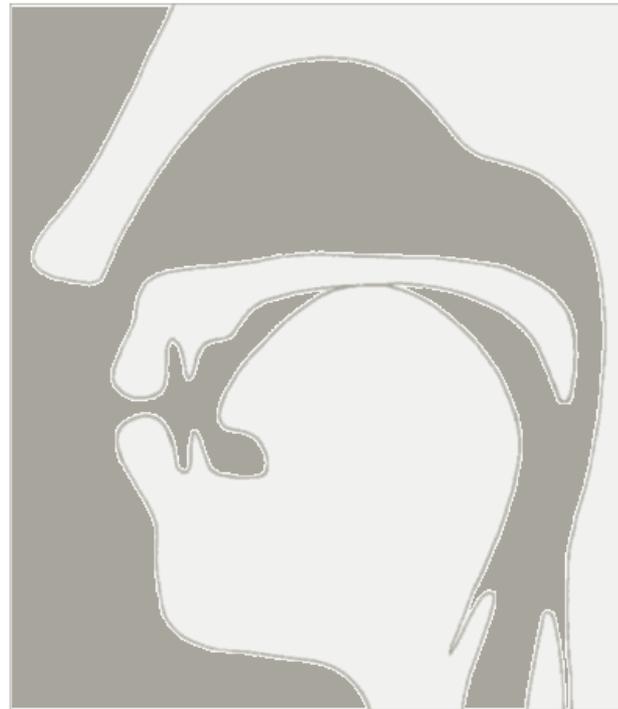
The tip or blade of the tongue approaches or touches the back part of the alveolar ridge as in the sound [ʃ], [ʒ], [tʃ], [dʒ]



Place of Articulation

Palatal

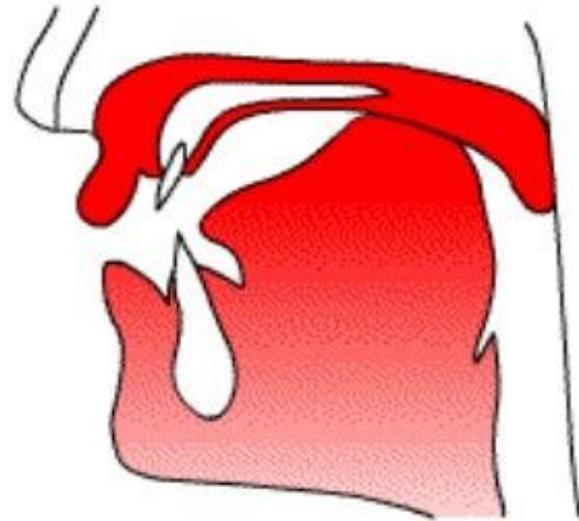
The front of the tongue approaches or touches the hard palate as in the sound [j]



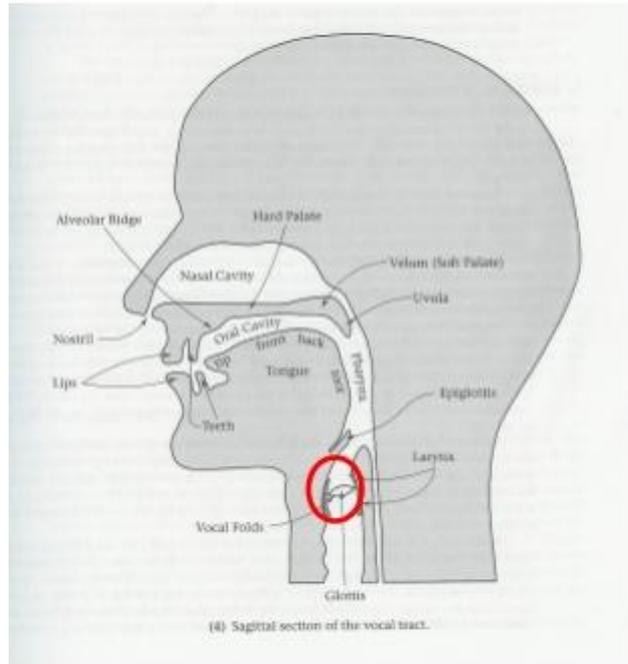
Place of Articulation

Velar

The body of the tongue approaches or touches the soft palate, or velum as in [k], [g], and [ŋ].



Place of Articulation



- **glottal** =
constriction made at the
glottis
- glottal consonants in
English include:

[h] [ʔ]

Glottal

The glottis is the opening between the vocal folds. In an [h], this opening is narrow enough to create some turbulence in the airstream flowing past the vocal folds.

CONSONANTS (CO-ARTICULATED)

ʍ Voiceless labialized velar approximant

ʋ Voiced labialized velar approximant

ɥ Voiced labialized palatal approximant

ç Voiceless palatalized postalveolar (alveolo-palatal) fricative

ʒ Voiced palatalized postalveolar (alveolo-palatal) fricative

ɧ Simultaneous x and ʃ (disputed)

kp̚ ts̚ Affricates and double articulations may be joined by a tie bar

THE END