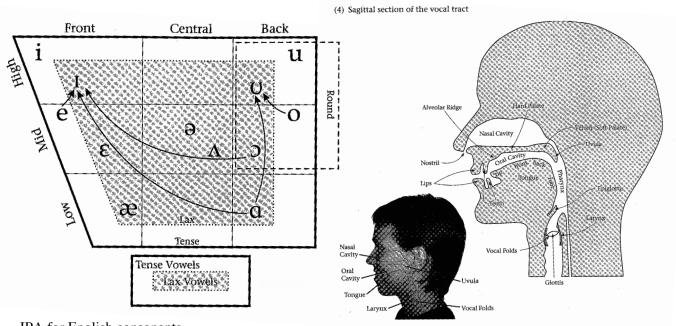
Articulatory Phonetics

English vowel space

Vocal Tract



IPA	for	Englis	h consor	ants

			Place of Articulation													
			Bilabial		Labio- dental		Inter- dental		Alveolar		ost- eolar	Palatal	Velar		Glottal	
Manner of Articulation	Stop	p	b					t	d	-			k	g	3	
	Fricative			f	v	θ	ð	s	z	ſ	3				h	
	Affricate									ф	dз					
	Flap								ī							
	Nasal		m						n					ŋ	·	
	Lateral Liquid								1							
	Retroflex Liquid								J							
	Glide	w	w³									j				

	State of the Glottis	Voiceless Voiced
1 (i) Madonna		2 (i) Stevie (ii) [sep]
(iii) [ħabi:bi:] 'my darling'		(iii) [xamsa] 'five'
(iv) voiced bilabial stop		(iv) voiceless interdental fricative
3 (i) Janelle		4 (i) Gump
(ii) [avtʃi]		(ii) [foumou]
(iii) [d3e:mis] 'university'		(iii) [qat ^r ar] 'Qatar'
(iv) tense high front vowel		(iv) lax low back vowel