

## THE INTERNATIONAL PHONETIC ALPHABET (2005)

### CONSONANTS (PULMONIC)

	LABIAL		CORONAL				DORSAL			RADICAL		LARYNGEAL
	Bilabial	Labio-dental	Dental	Alveolar	Palato-alveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Epi-glottal	Glottal
Nasal	m	ɱ	n				ɳ	ɲ	ŋ	ɴ		
Plosive	p b	ɸ β	t d				ʈ ɖ	c ɟ	k ɡ	q ɢ	ʔ	ʕ
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	ħ ʕ	h ɦ
Approximant		ʋ	ɹ				ɻ	j	ɰ			
Trill	ʙ		r									ʀ
Tap, Flap		ⱱ	ɾ				ɽ					
Lateral fricative			ɬ ɮ				ɮ̰	ɬ̰	ɮ̰			
Lateral approximant			l				ɭ	ʎ	ʟ			
Lateral flap			ɺ				ɻ̰					

Where symbols appear in pairs, the one to the right represents a modally voiced consonant, except for murmured *f*. Shaded areas denote articulations judged to be impossible. Light grey letters are unofficial extensions of the IPA.

### CONSONANTS (NON-PULMONIC)

Anterior click releases (require posterior stops)	Voiced implosives	Ejectives
◌ ɓ Bilabial fricated	ɓ Bilabial	ʼ <i>Examples:</i>
◌ ɗ Laminal alveolar fricated ("dental")	ɗ Dental or alveolar	ɸ' Bilabial
◌ ɠ Apical (post)alveolar abrupt ("retroflex")	ɠ Palatal	t' Dental or alveolar
◌ ɡ Laminar postalveolar abrupt ("palatal")	ɡ Velar	k' Velar
◌ ɣ Lateral alveolar fricated ("lateral")	ɣ Uvular	s' Alveolar fricative

### CONSONANTS (CO-ARTICULATED)

- ɱ Voiceless labialized velar approximant
- ɰ Voiced labialized velar approximant
- ɲ Voiced labialized palatal approximant
- ɥ Voiceless palatalized postalveolar (alveolo-palatal) fricative
- ʝ Voiced palatalized postalveolar (alveolo-palatal) fricative
- ɧ Simultaneous x and f (disputed)

kp ts Affricates and double articulations may be joined by a tie bar

### VOWELS

