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# THE INTERNATIONAL PHONETIC ALPHABET (revised to 1993)

## CONSONANTS (PULMONIC)

	Bilabial	Labioidental	Dental   Alveolar   Postalveolar	Retroflex	Palatal	Velar	Uvular	Pliaryngeal	Glottal
Plosive	P b		t d	t ʈ ɳ ɖ	c j	k g	q ɣ		?
Nasal	m	nj	n		ɟ		N		- *
Trill	B		r				R		
Tap or Flap			r	ɾ					
Fricative	k P	f V	e 3 s z ʒ ʒ	5 ɬ ɻ ɻ̪	a ? ɿ	X Y	X *	h V	h ft
Lateral fricative			l l ɬ						/
Approximant		u	j		j	ui			
Lateral approximant			l	ɿ		L			'•

Where symbols appear in pairs, the one to the right represents a voiced consonant. Shaded areas denote articulations judged impossible.

## CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
ʘ Bilabial	6 Bilabial	as in:
Dental	Cf Dental/alveolar	p Bilabial
! (Post)alveolar	J Palatal	t Dental/alveolar
Palatoalveolar	Cf Velar	k Velar
[j] Alveolar lateral	Ci Uvular	S Alveolar fricative

## VOWELS

Front                    Central                    Back

Close 1                    H-----UI                    u

y 1 Y

e | o ----- a \ e - T. • 0

Open-mid e \ oe - ɛ ɔ - 0

## SUPRASEGMENTALS

TONES & WORD ACCENTS	
LEVEL	CONTOUR
Primary stress	.founs'tijan
Secondary stress	e or 1 high
A Long	eɪ
T Half-long	e <sup>T</sup>
Extra-short	e
. Syllable break	ji.aekt
Minor (foot) group	e - 1 Low
Major (intonation) group	e J Extra low
4. Downstep	7 Global rise
T Upstep	Global fall

## DIACRITICS

Diacritics may be placed above a symbol with a descender, e.g. Lj

ø Voiceless LI	ɸ	Breathy voiced	b a	Dental	t d
v Voiced S	t	Creaky voiced	b a	Apical	t d
h Aspirated L	h	Linguolabial	t d	Laminal	t d <sub>a</sub>

