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# THE INTERNATIONAL PHONETIC ALPHABET (revised to 1993)

## CONSONANTS (PULMONIC)

	Bilabial	Labiodental	Dental   Alveolar   Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	<b>P b</b>		<b>t d</b>	<b>ʈ ɖ</b>	<b>ç ʝ</b>	<b>k ɡ</b>	<b>q ɢ</b>		<b>ʔ</b>
Nasal	<b>m</b>	<b>ɱ</b>	<b>n</b>		<b>ɲ</b>		<b>ɴ</b>		<b>ɴ̥</b>
Trill	<b>ʙ</b>		<b>r</b>				<b>ʀ</b>		
Tap or Flap			<b>ɾ</b>	<b>ɽ</b>					
Fricative	<b>ɸ β</b>	<b>f v</b>	<b>θ ð s z ʃ ʒ</b>	<b>ʂ ʐ</b>	<b>ç ʝ</b>	<b>x ɣ</b>	<b>χ ʁ</b>	<b>ħ ʕ</b>	<b>h ɦ</b>
Lateral fricative			<b>ɬ ɮ</b>						<b>/</b>
Approximant		<b>ɸ</b>	<b>j</b>		<b>j</b>	<b>ɰ</b>			
Lateral approximant			<b>l</b>	<b>ɭ</b>		<b>ʟ</b>			<b>ʕ</b>

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
<b>ʘ Bilabial</b>	<b>ɓ Bilabial</b>	as in:
<b>ǀ Dental</b>	<b>ɗ Dental/alveolar</b>	<b>ɥ Bilabial</b>
<b>ǃ (Post)alveolar</b>	<b>ɟ Palatal</b>	<b>ɛ Dental/alveolar</b>
<b>ǂ Palatoalveolar</b>	<b>ɠ Velar</b>	<b>ɣ Velar</b>
<b>ǁ Alveolar lateral</b>	<b>ʄ Uvular</b>	<b>ʇ Alveolar fricative</b>

## VOWELS

	Front	Central	Back
Close	<b>i y</b>	<b>ɨ ʉ</b>	<b>u</b>
Close-mid	<b>e ø</b>	<b>ə</b>	<b>ɤ ʏ</b>
Open-mid	<b>e œ</b>	<b>ɜ</b>	<b>ɔ</b>

## SUPRASEGMENTALS

Primary stress	Secondary stress
<b>ˈ</b> Long	<b>ˌ</b> Half-long
<b>ː</b> Extra-short	<b>ˑ</b> Syllable break
<b>ˑ</b> Minor (foot) group	<b>ˑ</b> Major (intonation) group
<b>ˑ</b> Linking (absence of a break)	

## TONES & WORD ACCENTS

LEVEL	CONTOUR
<b>ˈ</b> or <b>ˌ</b> High	<b>ˈ</b> Rising
<b>ˉ</b> High	<b>ˉ</b> Falling
<b>ˊ</b> Mid	<b>ˊ</b> High rising
<b>ˋ</b> Low	<b>ˋ</b> Low rising
<b>ˑ</b> Extra low	<b>ˑ</b> Rising-falling
<b>ˑ</b> Downstep	<b>ˑ</b> Global rise
<b>ˑ</b> Upstep	<b>ˑ</b> Global fall

## DIACRITICS

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

<b>̥</b> Voiceless	<b>̤</b> Breathy voiced	<b>̦</b> Dental
<b>̧</b> Voiced S	<b>̨</b> Creaky voiced	<b>̩</b> Apical
<b>̪</b> Aspirated L	<b>̫</b> Linguolabial	<b>̬</b> Laminal

