

consonants :

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- -

. vowels

International Phonetic Association

International Phonetic

IPA

Alphabet

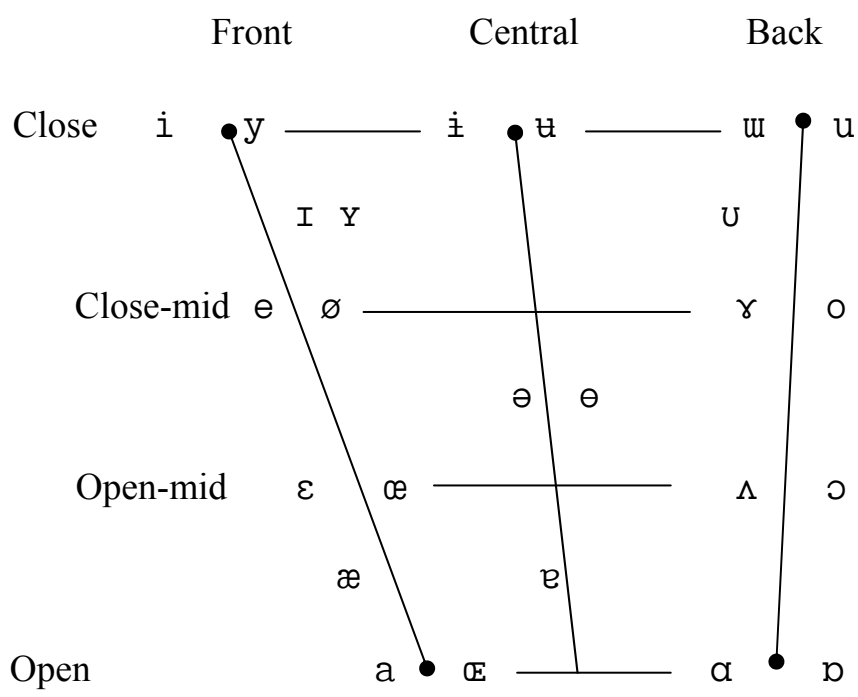
" " / / " " / / Syllable

" " " " " "

" " " "

	Bilabial	Labio-dental	Dental	Alveolar	Post-alveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Stop	p b			t d		t ɖ	c ɟ	k ɡ	q ɢ		ʔ
Nasal	m	ɱ		n		ɳ	ɲ	ŋ	ɴ		
Trill	ʙ			ʀ					ʀ		
Tap / Flap				ɾ		ɽ					
Fricative	ɸ β	f v	θ ð	s z	ʃ ʒ	ʂ ʐ	ç ʝ	x ɣ	χ ʁ	ħ ʕ	h ɦ
Lateral fricative				ɬ ɮ							
Approximant		ʋ		ɹ		ɻ	ɟ	ɰ			
Lateral approximant				l		ɭ	ʎ	ʟ			
Ejective stop	p'			t'		t'	c'	k'	q'		
Implosive	ɓ			ɗ			ɟ	ɠ	ɢ		

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	Bilabial	Labiodental	Interdental	Alveodental	Alveopalatal	Palatal	Velar	Lab-velar	Uvular	Pharyngeal	Glottal
Nasal	m			n							
Stop	b		t d	k					q		ʔ
Emphatic Stop*			dʼ dʼ								
Fricative		f	θ ð	s z	ʃ				χ ʁ	ħ ʕ	h
Emphatic fricative**			ðʼ	sʼ							
Affricate					dʒ						
Glide						j		w			
Lateral				l							
Trill				r							

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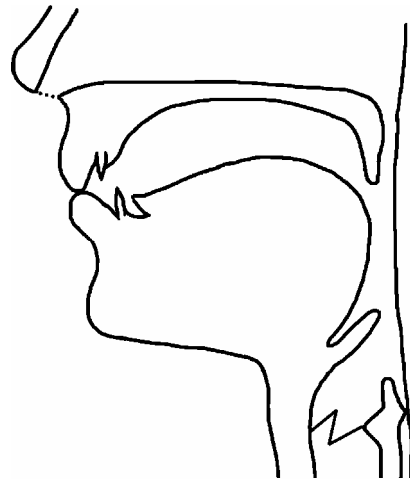
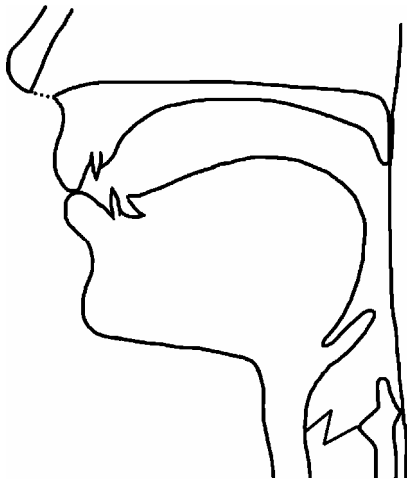
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bilabial sounds

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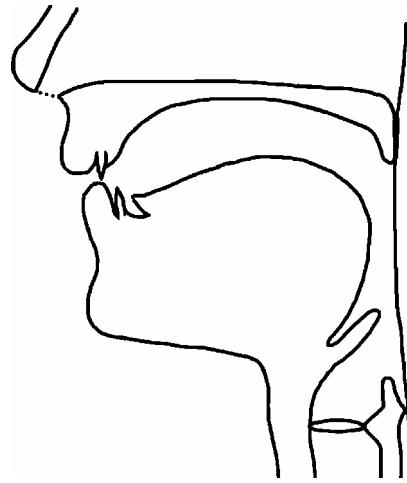
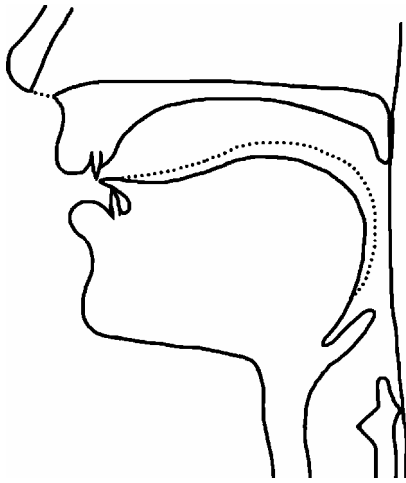
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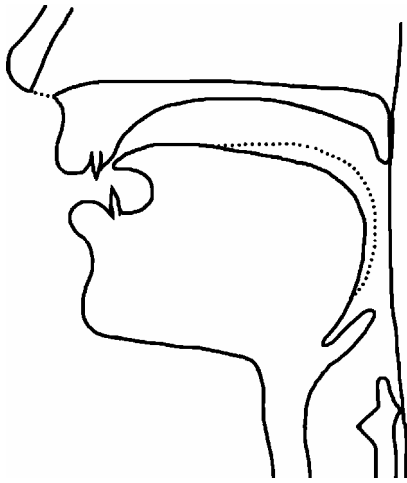
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. . .
(I)
(II)



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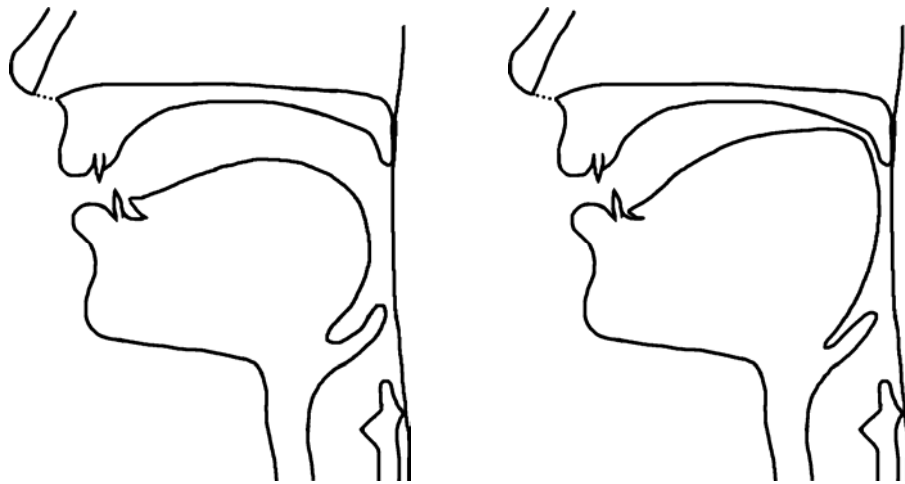
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(I)
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. **uvular sounds** .

. . . .) / / / / / / :

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. **pharyngeal sounds** .

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/ / / /

glottal sounds .

(. . .)

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/ / / /

place of articulation

/ / //

Manner of Articulation

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. **voiced** .

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. **voiceless** .

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. **stops** .

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. **nasal stops** :

. // // //

. **oral stops** :

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pharyngealization

" " pharyngealization

velarization

" "
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. trills .

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. laterals .

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. lateral approximants -

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. lateral fricatives -

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. **approximants** .

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. **lateral approximants** -

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. **central approximants** -

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. harmonics

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back rounded

front

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/ " "

. diphthong

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phonemic

Gemination

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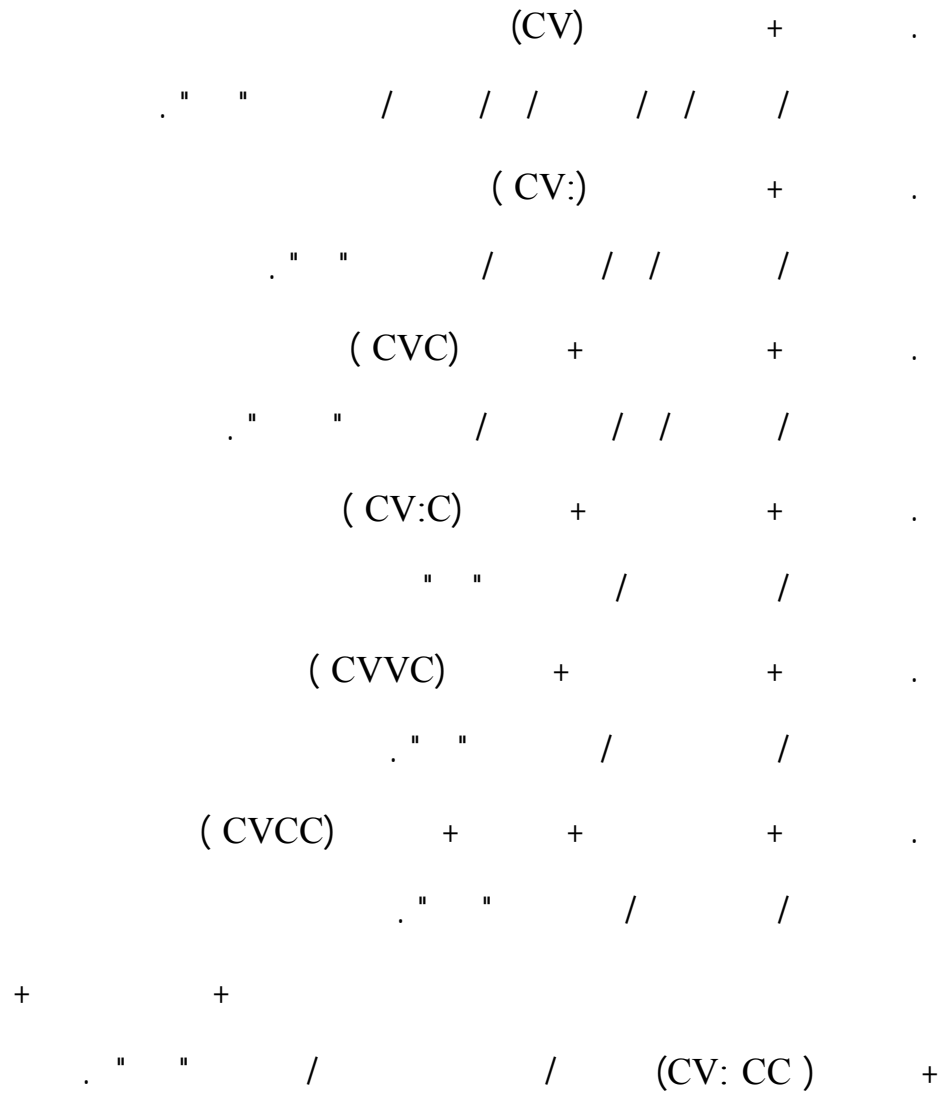
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/' " " // .
/ / " /

Syllable . .

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" " . / / / / /
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vowel V

consonant C

V:

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open (

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Prosody

suprasegmental

tempo

stress

pitch / intonation

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decrease

crease

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