

# THE INTERNATIONAL PHONETIC ALPHABET (revised to 2018)

## CONSONANTS (PULMONIC)

© 2018 IPA

	Bilabial	Labiodental	Dental	Alveolar	Postalveolar	Retroflex	Palatal	Velar	Uvular	Pharyngeal	Glottal
Plosive	101 102		103 104			105 106	107 108	109 110	111 112		113
Nasal	114	115	116			117	118	119	120		
Trill	121		122						123		
Tap or Flap		184	124			125					
Fricative	126 127	128 129	130 131	132 133	134 135	136 137	138 139	140 141	142 143	144 145	146 147
Lateral fricative			148 149								
Approximant		150	151			152	153	154			
Lateral approximant			155			156	157	158			

Symbols to the right in a cell are voiced, to the left are voiceless. Shaded areas denote articulations judged impossible.

## CONSONANTS (NON-PULMONIC)

Clicks	Voiced implosives	Ejectives
176 Bilabial	160 Bilabial	401 Examples:
177 Dental	162 Dental/alveolar	+101 Bilabial
178 (Post)alveolar	164 Palatal	+401 Dental/alveolar
179 Palatoalveolar	166 Velar	+103 Dental/alveolar
180 Alveolar lateral	168 Uvular	+401 Velar
		+109 Alveolar fricative
		+132 Alveolar fricative
		+401 Alveolar fricative

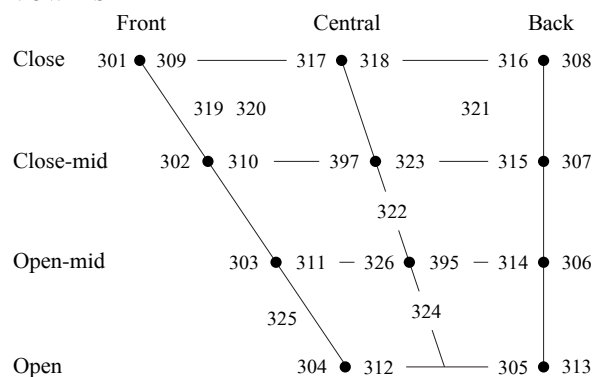
## OTHER SYMBOLS

- 169 Voiceless labial-velar fricative    182 183 Alveolo-palatal fricatives  
 170 Voiced labial-velar approximant    181 Voiced alveolar lateral flap  
 171 Voiced labial-palatal approximant    175 Simultaneous 134 and 140  
 172 Voiceless epiglottal fricative  
 174 Voiced epiglottal fricative    Affricates and double articulations can be represented by two symbols joined by a tie bar if necessary. (509) 433  
 173 Epiglottal plosive

DIACRITICS Some diacritics may be placed above a symbol with a descender, e.g. 119+402B

402A Voiceless	405 Breathy voiced	408 Dental
403 Voiced	406 Creaky voiced	409 Apical
404 Aspirated	407 Linguolabial	410 Laminal
411 More rounded	420 Labialized	424 Nasalized
412 Less rounded	421 Palatalized	425 Nasal release
413 Advanced	422 Velarized	426 Lateral release
414 Retracted	423 Pharyngealized	427 No audible release
415 Centralized	428 Velarized or pharyngealized	209
416 Mid-centralized	429 Raised	
431 Syllabic	430 Lowered	
432 Non-syllabic	417 Advanced Tongue Root	
419 Rhoticity	327	418 Retracted Tongue Root

## VOWELS



Where symbols appear in pairs, the one to the right represents a rounded vowel.

## SUPRASEGMENTALS

- 501 Primary stress
- 502 Secondary stress
- 503 Long
- 504 Half-long
- 505 Extra-short
- 507 Minor (foot) group
- 508 Major (intonation) group
- 506 Syllable break
- 509 Linking (absence of a break)

## TONES AND WORD ACCENTS

- | LEVEL                 | CONTOUR                |
|-----------------------|------------------------|
| 512 or 519 Extra high | 524 or 529 Rising      |
| 513 520 High          | 525 530 Falling        |
| 514 521 Mid           | 526 531 High rising    |
| 515 522 Low           | 527 532 Low rising     |
| 516 523 Extra low     | 528 533 Rising-falling |
| 517 Downstep          | 510 Global rise        |
| 518 Upstep            | 511 Global fall        |