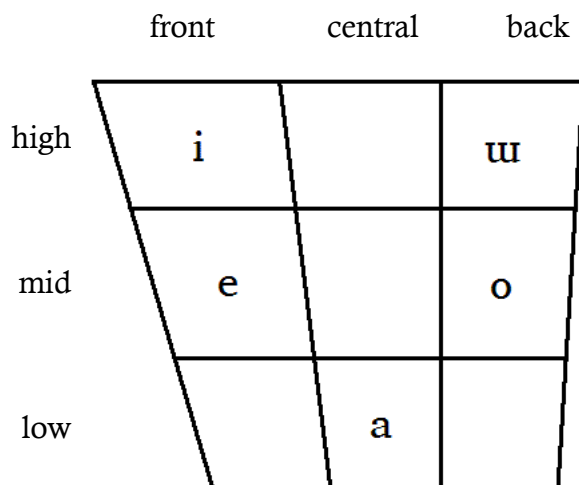


Phonetics: Reference charts for Japanese consonants and vowels

Here is a summary of the **phonetic symbols** we are using to transcribe, and the **phonetic terms** we are using to classify, the vowels and consonants of Japanese.

(1) Vowel chart



- [o] is a round vowel; all others are unrounded
- All vowels can appear short [e] or long [eː]
- Short [i] and [u] are sometimes voiceless: [i̥], [u̥]

(2) Consonant chart (*phonetic* categories for Japanese consonants)

		bilabial	alveolar	alveo-palatal	palatal	velar	uvular	glottal
(oral) stop		p b	t d			k g		
fricative		ɸ	s z	ɕ	ç			h
affricate			ts dz	tɕ dʑ				
approximant	liquid		r					
	glide				j	w		
nasal (stop)		m	n			ŋ	ɴ	

- “Alveo-palatal” is very similar to “palato-alveolar,” but the tongue shape is different
- We will talk more about [ɴ] in a later class
- Some consonants can appear both short [t] and long [tː]
- I’ve added [dz] to the chart; we’ll talk more about this sound in a later class