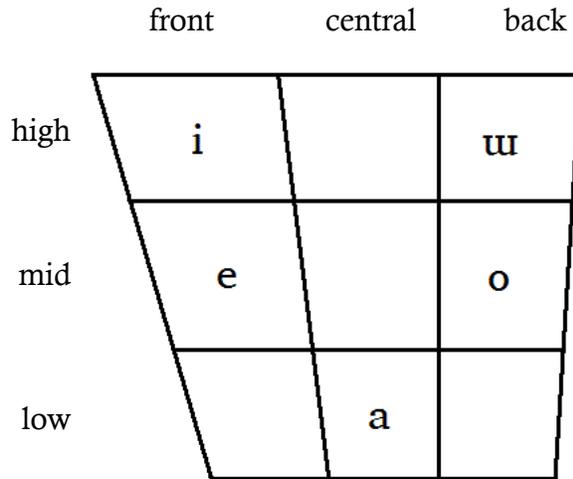


Phonetics: Reference charts for Japanese consonants and vowels

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 [e:]
- Short [i] and [u] are sometimes voiceless: [i̥], [u̥]

(2) Consonant chart (*phonetic categories* for Japanese consonants — compare *phonemes* later)

		bilabial	alveolar		alveo-palatal	palatal	velar		uvular	glottal
(oral) stop		p b	t	d			k	g		
fricative		ϕ	s	z	ç	ç				h
affricate			ts	dz	tç	dz				
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 [t:]
- I’ve added [dz] to the chart; we’ll talk more about this sound in a later class