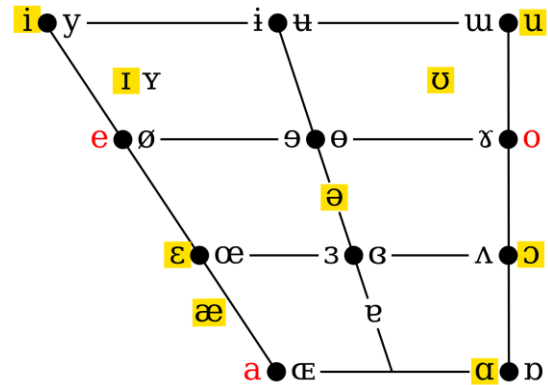


## General American IPA – Vowels

	Front	Central	Back
<b>Close</b>	i, ɪ		u, ʊ
<b>Mid</b>	ɛ	ə	ɔ
<b>Open</b>	æ		ɑ
<b>Diphthongs</b>	aɪ, aʊ, eɪ, oʊ, ɔɪ, eə, ɪə, ʊə		

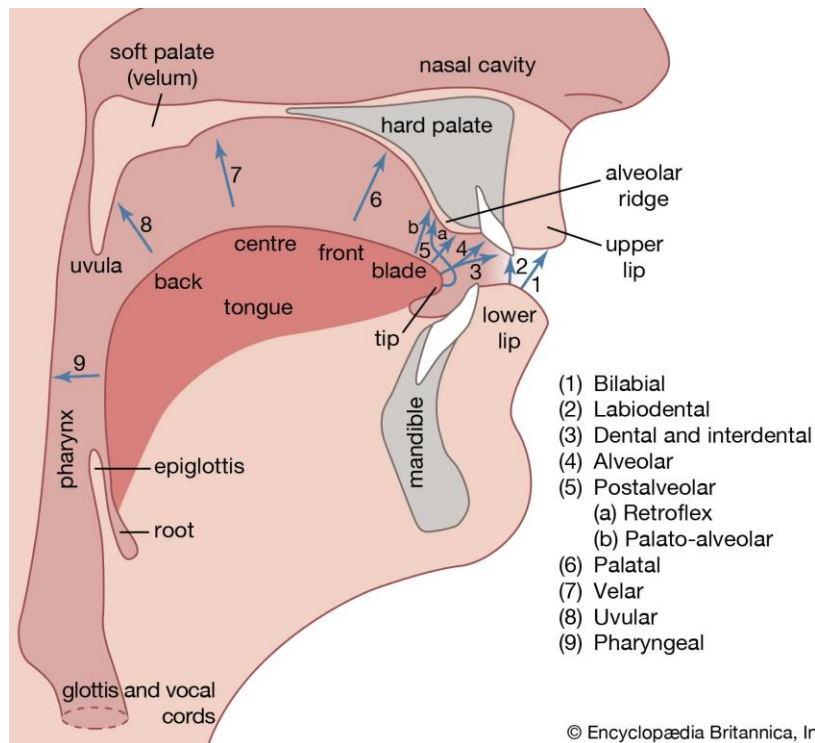


Phoneme	Sound	Examples	Merge
/ɑ/	open back ah	pot, father, palm, start, lot, sorry, hot, not, box	/ɒ/ (rounded)
/æ/	open eh	bat, mad, trap, bath	
/ɛ/	mid-open eh	bet, med, dress, carry, cherry	/e/
/i/	long i	beet, me, fleece, happy, eat	
/ɪ/	short i	bit, fill, kit, mirror, near, it	
/ɔ/	aw	dog, law, thought, cloth, north, force, forest	/o/
/ə/	uh	about, sofa, mother, but, run, strut	/ʌ/ (stressed), /ɜ/
/u/	long ooh	boot, you, goose, suit	
/ʊ/	short ooh	book, put, foot, cure, soot	

Phonemes	Sound	Examples	Merge
/aɪ/	ah-i	bite, my, sky, pie, eye	
/aʊ/	ah-ooh	now, mouth, house, town, about, sound, power	
/eɪ/	eh-i	bait, day, face, rain	
/oʊ/	oh-ooh	boat, no, go, home, clone, drone	/əʊ/, /o/, /ow/, /ɔʊ/
/ɔɪ/	uh-i	boy, voice, noise, choice, enjoy	/oɪ/
/eə/	eh-uh	hair, bear, wear, square	
/ɪə/	i-uh	near, fear, here, beer, year, clear	
/ʊə/	ooh-uh	tour, cure, poor, endure	

## General American IPA – Consonants

	Labial		Dental		Alveolar		Post-Alveolar		Palatal		Velar		Glottal	
<b>Nasal</b>		m				n						ŋ		
<b>Stop</b>	p	b			t	d					k	g		
<b>Affricate</b>							tʃ	dʒ						
<b>Fricative</b>	f	v	θ	ð	s	z	ʃ	ʒ					h	
<b>Approximant</b>						l		ɹ		j		w		
Left consonant is <i>voiceless</i> , and the right is <i>voiced</i>														



Phoneme	Voicing	Example
/b/	voiced	<b>bat, rob</b>
/p/	voiceless	<b>pen, top</b>
/d/	voiced	<b>dog, ladder</b>
/t/	voiceless	<b>ten, bet</b>
/g/	voiced	<b>get, dog</b>
/k/	voiceless	<b>cat, king, back</b>
/v/	voiced	<b>van, have</b>
/f/	voiceless	<b>fan, puff</b>
/z/	voiced	<b>zoo, rose</b>
/s/	voiceless	<b>sit, pass</b>
/ʒ/ (zh)	voiced	pleasure, garage, vision
/ʃ/ (sh)	voiceless	<b>ship, dish</b>
/dʒ/ (j)	voiced	<b>job, giant, magic, age, badge, soldier, jealous</b>
/tʃ/ (ch)	voiceless	<b>choice, chew, watch</b>
/ð/ (soft th)	voiced	<b>this, then, mother</b>
/θ/ (hissy th)	voiceless	<b>thin, think, bath, birthday</b>
/h/	voiceless	<b>hat, who</b>
/m/	voiced	<b>map, hammer</b>
/n/	voiced	<b>net, sunny</b>
/ŋ/ (ng)	voiced	<b>singer, bang</b>
/l/	voiced	<b>light, fill</b>
/ɹ/ (r but no tap)	voiced	<b>run, car</b>