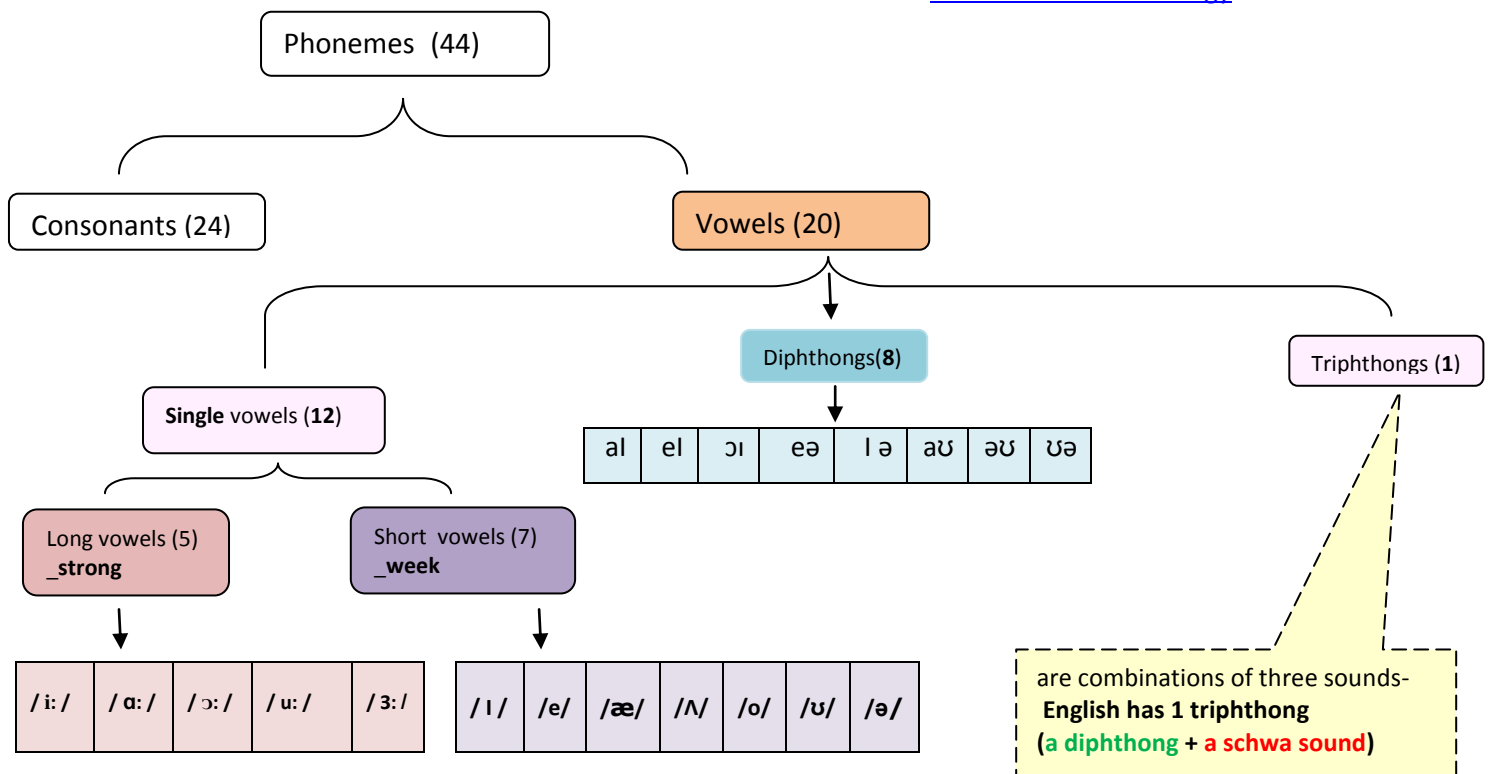
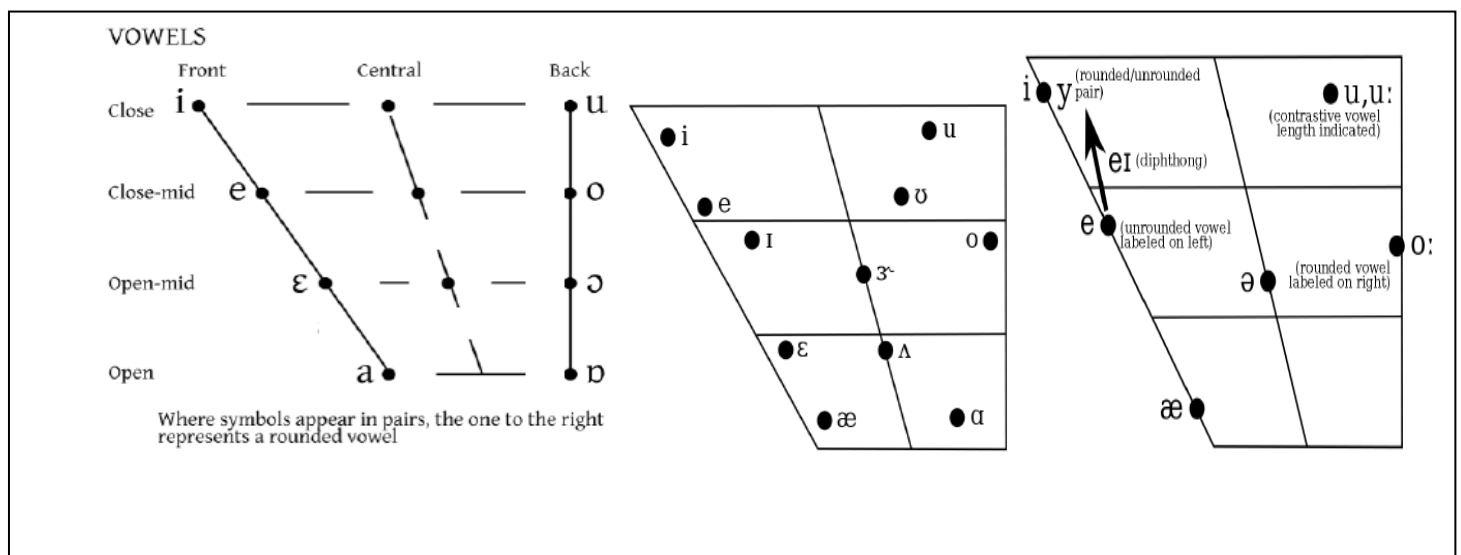




Height _ Frontness _ Roundedness / (rounded / spread / neutral)

	Single vowels	Height	Frontness	shape of lips	examples
1.	/i:/	high vowel	front vowel	spread	
2.	/ɑ:/	low vowel	back vowel	neutral	
3.	/ɔ:/	mid vowel	back vowel	rounded	
4.	/u:/	high vowel	back vowel	rounded	
5.	/ɜ:/	high vowel	central vowel	neutral	
1.	/ɪ/	high vowel	front vowel	slightly spread	
2.	/e/	mid vowel	front vowel		
3.	/æ/	low vowel	front vowel	spread wide open	
4.	/ʌ/	mid vowel	central vowel	neutral	
5.	/o/	mid vowel	back vowel	rounded	
6.	/ʊ/	high vowel	back vowel	more rounded	
7.	/ə/	mid vowel	central vowel	neutral	



ɪ	ɪ	ʊ	u	ɪə	eɪ	ɔ	ʌ
e	ə	ɜ	ɔ	ʊə	ɔɪ	əʊ	
æ	ʌ	ɑ	ɒ	eə	aɪ	aʊ	
p	b	t	d	tʃ	dʒ	k	g
f	v	θ	ð	s	z	ʃ	ʒ
m	n	ŋ	h	l	r	w	j

	consonants		place of articulation		manner of articulation	Voiced / Voiceless	examples
			passive	active			
1.	<i>p</i>	p	Bilabial		Stops	Voiceless(-)	
2.	<i>b</i>	b	Bilabial		Stops	Voiced (+)	
3.	<i>t</i>	t	alveolar		Stops	Voiceless(-)	
4.	<i>d</i>	d	alveolar		Stops	Voiced (+)	
5.	<i>ch</i>	tʃ	palatal		Affricates	Voiceless(-)	
6.	<i>j</i>	dʒ	palatal		Affricates	Voiced (+)	
7.	<i>k</i>	k	Velar		Stops	Voiceless(-)	
8.	<i>g</i>	g	Velar		Stops	Voiced (+)	
9.	<i>f</i>	f	labiodentals		Fricatives	Voiceless(-)	
10.	<i>v</i>	v	labiodentals		Fricatives	Voiced (+)	
11.	<i>th</i>	θ	dental		Fricatives	Voiceless(-)	
12.	<i>dh</i>	ð	dental		Fricatives	Voiced (+)	
13.	<i>s</i>	s	alveolar		Fricatives	Voiceless(-)	
14.	<i>z</i>	z	alveolar		Fricatives	Voiced (+)	
15.	<i>sh</i>	ʃ	palatal		Fricatives	Voiceless(-)	
16.	<i>zh</i>	ʒ	palatal		Fricatives	Voiced (+)	
17.	<i>m</i>	m	Bilabial		Nasals	Voiceless(-)	
18.	<i>n</i>	n	alveolar		Nasals	Voiced (+)	
19.	<i>ng</i>	ŋ	Velar		Nasals	Voiced (+)	
20.	<i>h</i>	h	glottal		Fricatives	Voiceless(-)	
21.	<i>l</i>	l			lateral Approximant	Voiced (+)	
22.	<i>r</i>	r				Voiced (+)	
23.	<i>w</i>	w	Bilabial		Glides	Voiced (+)	
24.	<i>y</i>	j	palatal		Glides		

Try to answer :

(1)		(2)	
voiced velar nasal ?		[s]	
voiceless post alveolar affricate?		[d]	
voiced bilabial stop ?		[ʒ]	
voiceless velar stop ?		[t]	
voiced alveolar fricative ?		[m]	
voiced palatal glide?		[w]	