

Ch.2: Phonetics

- **Phonetics:** The study of the minimal units that make up language.

3 aspects of phonetics:

1. Articulatory phonetics.
2. Acoustic phonetics.
3. Auditory phonetics.

Types of speech sounds:

1. **Segments**
 - consonants
 - vowels
2. **Suprasegmentals**
 - stress
 - tone
 - intonation

Producing sounds:

1. vocal tract
 2. larynx
 3. subglottal system
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When describing a consonant:

1. **voiced or voiceless**
2. **place of articulation**
3. **manner of articulation**
4. **consonant**

Classification of NAE Consonant Phonemes							
Manner of Articulation	Place of Articulation						
	Bilabial	Labiodental	Dental	Alveolar	Palatal	Velar	Glottal
Stop Voiceless Voiced	p b			t d		k g	
		f v	θ ð	s z	ʃ ʒ		h
Affricate Voiceless Voiced					tʃ dʒ		
Nasal Voiced	m			n		ŋ	
Liquid Voiced				l	r		
Glide Voiced	w				y		

1: voiceness:

Voiced Voiceless

/v/ van /f/ fan

/b/ bat /p/ pat

/d/ dear /t/ tear

/z/ zip /s/ sip

/dʒ/ joke /tʃ/ choke

/g/ gab /c/ cap

2: Place of articulation:

1. bilabial

bringing both lips together

/p/ , /b/ , /m/ , /w/

2. labiodental

loose lip against the upper front teeth

/f/ , /v/

3. interdentals

tip of tongue sticking out between the front teeth

/θ/ , /ð/

4. alveolar

tongue tip at or near the front of the upper alveolar ridge

/t/ , /d/ , /s/ , /z/

5. post-alveolar

tip of tongue just behind the alveolar ridge

/ʃ/ , /ʒ/ , /tʃ/ , /dʒ/

6. palatal

body of tongue near the roof of the mouth

/j/

7. velar

back part of the tongue's body raised near the soft part of the roof of the mouth

/k/ , /g/ , /ŋ/

8. glottal

air is constricted at the space between the vocal folds of the glottis

/h/ , /ʔ/

3: manner of articulation :

1. stops:

voiced: voiceless:

/b/ boy /p/ pen

/g/ go /k/ cat

/d/ do /t/ top

2. fricatives:

voiced: voiceless:

/ð/ them /θ/ thin

/v/ vote. /f/ face

/ʒ/ vision. /ʃ/ she

/z/ zoo. /h/ he

3. affricatives:

voiced: voiceless:

/dʒ/ joy /tʃ/ cheese

4. approximants:

liquids: glides:

/L/ look /w/ watch

/r/ rug /j/ yes

5. nasal:

voiced:

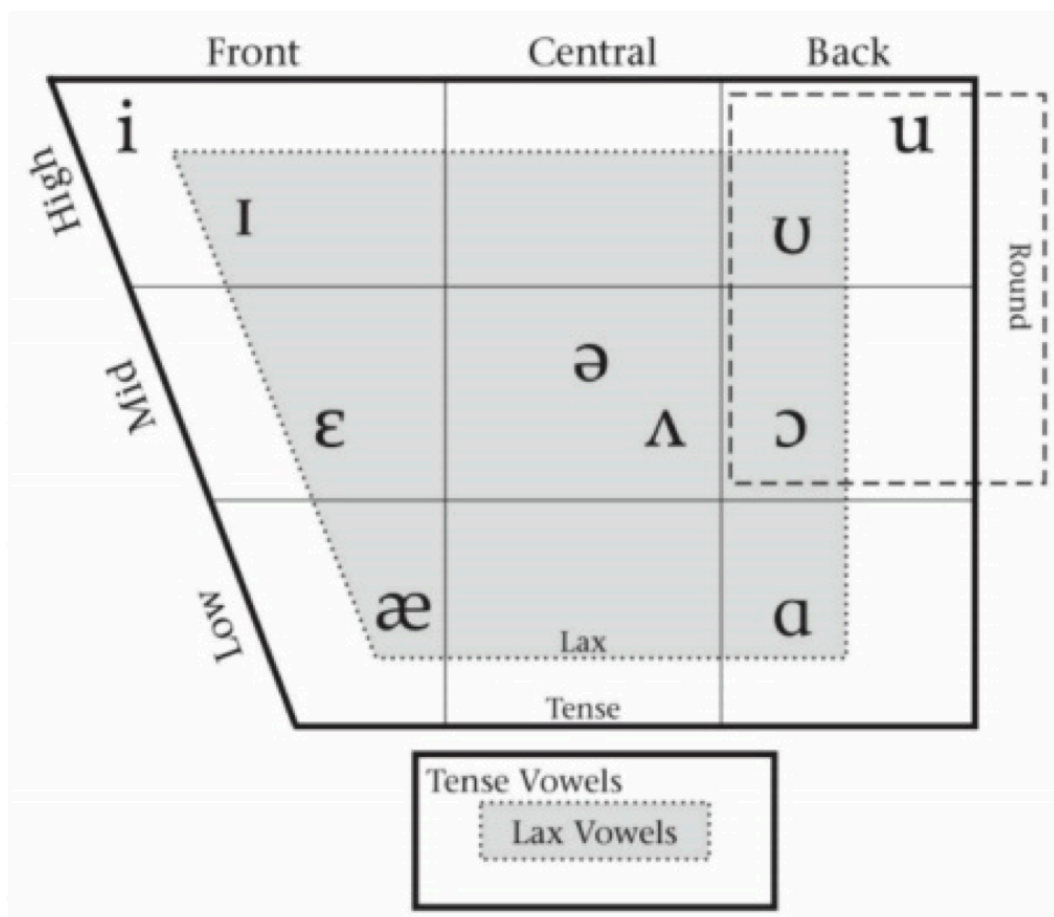
/m/ me

/n/ no

/ŋ/ sing

When describing a vowel:

- 1. tongue hight**
- 2. tongue advancement**
- 3. rounding**
- 4. tense or lax**
- 5. vowel**



When describing diphthongs:

1. tongue hight
2. tongue advancement
3. rounding
4. tense or lax
5. (to)
6. tongue hight
7. tongue advancement
8. rounding
9. tense or lax
10. diphthong

BEST OF LUCK <3

