

# Phonetics and Phonology

## First Year

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### Lesson 11: Fortis-Lenis Consonants & Symbols for phonemes

#### List of symbols

##### 1 Symbols for phonemes

i as in 'pit' pit  
e as in 'pet' pet  
æ as in 'pat' pæt fan  
ʌ as in 'putt' pʌt  
ɒ as in 'pot' pɒt  
ʊ as in 'put' pʊt

ə as in 'about', upper'  
əbaʊt, ʌpə

eɪ as in 'bay' beɪ  
aɪ as in 'buy' baɪ  
ɔɪ as in 'boy' bɔɪ

ɪə as in 'peer' piə  
eə as in 'pear' peə  
ʊə as in 'poor' puə

p as in 'pea' pi:  
t as in 'toe' təʊ  
k as in 'cap' kæp  
f as in 'fat' fæt  
θ as in 'thing' θɪŋ  
s as in 'sip' sɪp  
ʃ as in 'ship' ʃɪp  
h as in 'hat' hæp  
m as in 'map' mæp  
n as in 'nap' næp  
ŋ as in 'hang' hæŋ

tʃ as in 'chin' tʃɪn

i: as in 'key' ki:  
ɑ: as in 'car' kɑ:  
ɔ: as in 'core' kɔ:  
u: as in 'coo' ku:  
ɜ: as in 'cur' kɜ:

əʊ as in 'go' gəʊ saw  
aʊ as in 'cow' kaʊ

b as in 'bee' bi:  
d as in 'doe' dəʊ  
g as in 'gap' gæp  
v as in 'vat' væt  
ð as in 'this' ðɪs  
z as in 'zip' zɪp  
ʒ as in 'measure' meʒə

l as in 'led' led  
r as in 'red' red  
j as in 'yet' jet  
w as in 'wet' wet

dʒ as in 'gin' dʒɪn

# Fortis-Lenis

- **Fortis Consonants:** are the consonants that need some effort to be produced. *All voiceless* consonants are termed as **Fortis** or **strong**. They are produced with open glottis ( the vocal folds are separated).
- **Fortis-Lenis:** Is a term that refers to voiced consonants (weak) that do not need much effort in their production.

The plosive phonemes of English can be presented in the form of a table as shown here:

	Place of Articulation		
	Bilabial	Alveolar	Velar
<b>Fortis (voiceless)</b>	p	t	k
<b>Lenis (voiced)</b>	b	d	g

**Table 1: The plosive phonemes**

The Fricatives of English can be presented in the form of a table as shown here:

Place of Articulation					
	Labiodental	Dental	Alveolar	Post-alveolar	Glottal
Fortis(voiceless)	f	θ	s	ʃ	h
Lenis(voiced)	v	ð	z	ʒ	

**Table 2: The Fricative Phonemes**