

## MARKEDNESS (IMPLICATIONAL RELATIONSHIPS)

Barlow and Gierut (2002) explain that markedness is a concept from the study of the sound systems of all natural languages. A marked feature in a language implies the necessary presence of another feature – hence “implicational relationship”. For example, there are languages, like English, that have stops and fricatives. There are languages that have stops, but no fricatives. But no language has fricatives and no stops. This means that fricatives are a marked class of sounds because the presence of fricatives necessarily implies the presence of stops in a particular language (an implicational relationship between fricatives and stops).

FRICATIVES are marked because they imply STOPS  
 VOICELESS SOUNDS are marked because they imply VOICED SOUNDS  
 AFFRICATES are marked because they imply FRICATIVES  
 CLUSTERS are marked because they imply SINGLETONS

### Marked consonants in English

		LABIAL			CORONAL			DORSAL	
		Bilabial	Labio dental	Interdental	Alveolar	Palato-alveolar	Palatal	Velar	Glottal
Obstruents	Stop	p			t			k	
	Fricative		f v	θ ð	s z	ʃ ʒ			
	Affricate					tʃ dʒ			
Sonorants	Nasal				<u>Phonological universals</u> Note that these are phonological tendencies, not absolutes. <u>Obstruents</u> : stops, fricatives and affricates are mostly voiceless. <u>Sonorants</u> : nasals, liquids, glides and vowels are mostly voiced.				
	Liquid								
	Glide								

### English Phonemes

**LABIAL:** bilabial, labiodental, interdental **CORONAL:** alveolar, palatal **DORSAL:** velar, glottal

		MANNER	VOICING	PLACE						
				Bilabial	Labiodental	Interdental	Alveolar	Palatal	Velar	Glottal
OBSTRUENTS	Stop	Voiceless		p			t		k	ʔ
		Voiced		b			d		g	
	Fricative	Voiceless			f	θ	s	ʃ		h
		Voiced			v	ð	z	ʒ		
	Affricate	Voiceless							tʃ	
		Voiced							dʒ	
SONORANTS	Nasal		Voiced	m			n		ŋ	
	LIQUID	Lateral					l			
		Rhotic							r	
	Glide		Voiced	w				j	w	

**Barlow, J. A., and Gierut, J. A. (2002).** Minimal pair approaches to phonological remediation. *Seminars in Speech and Language*, 23, 1, 57-67.