Consonants

Consonants

Articulators are used to interrupt, restrict or divert the airflow in a variety of ways

Voiced and voiceless

Place of Articulation

THE INTERNATIONAL PH

CONSONTANTS (DIT MONTO)

ETIC ALPHABET (revised to 2005)

@ 2005 TD A

CONSONAN	15 (F)	ULMC	JNIC)							100								·	E	200.) IPA
	Bilabial		Labiodental		Dental Alveo		lar Postalveolar		Retroflex		Palatal		Velar		Uvular		Pharyngeal		Glottal		
Plosive	p	b			e e		t (d		t	q	С	J	K	g	q	G			ſ	
Nasal		m		nj			1	n			η		ŋı		ŋ		N				
Trill		В					1	r		8.			8	202			R				
Tap or Flap				\mathbf{V}			1	ſ			r										
Fricative	ф	β	f	v	θ	ð	S	Z	J 3	ş	Z _L	ç	j	X	γ	χ	R	ħ	ſ	h	ĥ
Lateral fricative							1.	łz		3											
Approximan				υ				I			J		j		щ						
Lateral approximant										% 32	l		λ	i Ci	L	8					

abols appear in pairs, the one to the right represents a voiced consonant. Shaded areas denote articulations judged impossible.



MANNER OF ARTICULATION

complete closure in the vocal tract

[p] [t] [k]

[b] [d] [g]

```
[p] 'pin' 'happen' 'cap'
[b] 'bin' 'cabbage' 'cab'
[t] 'to' 'hotter' 'hat'
[d] 'do' 'harder' 'had'
[k] 'cot' 'packet' 'pick'
[g] 'got' 'forget' 'pig'
```

Initial [p] [t] [k]

```
'pay' [phej]
      'tie' [thaj]
     'cap' [khæp]
   'close' [khlowz]
'ice cream' [ajskhrim]
 'I scream' [ajskrim]
```

FRICATIVES

Two organs close enough with constant flow of air

FRICATIVES

[f] 'fan' 'cafe' 'belief' [v] 'van' 'cover' 'above' [θ] 'think' 'mathematics' 'bath' [ð] 'the' 'father' 'bathe' [s] 'sue' 'icy' 'this' [z] 'zoo' 'lazy' 'these'

FRICATIVES

- [ʃ] 'she' 'nation' 'fish'
 [ʒ] 'genre'* 'measure' 'beige'
 [h] 'hello' 'behind' 'no final position'
- * Borrowed words only

AFRICATES

plosive + neighboring (homorganic) fricative

```
[tʃ]
[dʒ]
but not [ks] or [ps]
```

AFFRICATES

```
[t∫] 'church' 'nature' 'church'
[dʒ] 'judge' 'larger' 'judge'
```

NASALS

soft palate is lowered and air escapes through nasal cavity

 $[m][n][\mathfrak{g}]$

NASALS

```
[m] 'more' 'camera' 'room'
[n] 'no' 'infant' 'on'
[ŋ] 'no initial position' 'singing' 'sing'
```

LATERAL

airflow around the sides of the tongue

```
[1] [1] (allophones) of /1/[1] - pre-vocalic[1] - post-vocalic
```

LATERAL

- [1] 'live' 'pulling' 'no final position'
- [1] 'no initial position' 'multi' 'pool'

APROXIMANTS

one articulator moves close to another, but no so close as to cause friction or to stop airflow

^{*} In the IPA, /r/ refers to a trill, which does not exist in GA (General American) English

APROXIMANTS

```
/r/ 'red' 'around' 'car'
[j] 'yes' 'few' 'day'*
[w] 'wood' 'hallway' 'bow'*
```

* diphthongs

TAP / FLAP

one articulator rapidly touches another

[t]

TAP / FLAP

```
[r] 'to'* 'water' 'got'*
```

* Only in connected speech

PLACE OF ARTICULATION

BILABIAL

```
[p] [b]
[m]
[w]
```

LABIODENTAL

[f] [v]

DENTAL

[θ] [ð]

ALVEOLAR

^{*} In [1], the back of the tongue is also raised towards the soft palate (velum)

RETROFLEX

/r/

PALATAL

```
[j]
[S] [3]
(IPA - postalveolar)
[t∫] [dʒ]
(palatal-alveolar)
```

VELAR

GLOTAL

[h]

NAMING CONSONATS:

(Voicing)

Place of Articulation

╬

Manner of Articulation

NAMING CONSONATS:

Voiceless bilabial plosive:

[p]

Voiced dental fricative:

[ð]

Palatal aproximant:



NAMING CONSONATS:

Voiced alveolar plosive:

[d]

Velar nasal:

 $[\mathfrak{y}]$

Retroflex aproximant:

/r/

NAME THESE:

[p]

Voiceless bilabial plosive

[g]

Voiced velar plosive

[tʃ]

Voiceless alveolar-palatal affricate

NAME THESE:

[n] Alveolar nasal

[w] Bilabial aproximant

[h]
Glotal fricative