

Mandarin Chinese Initial Consonants

Pinyin /linguistic/

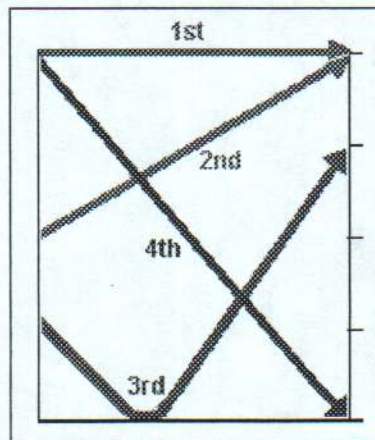
	Bi-labial		Labio-dental		Alveolar		Alveolo-palatal		Retroflex		Velar	
	+	-	+	-	+	-	+	-	+	-	+	-
Voiced	+	-	+	-	+	-	+	-	+	-	+	-
Occlusive (stop)	b /p/	p /p ^h /			d /t/	t /t ^h /					g /k/	k /k ^h /
Nasal (nosey)		m /m/				n /n/						ng /ŋ/
Fricative (breathy)				f /f/		s /s/		x /ç/	z /z/	sh /ʃ/		h /x/
Affricative (stop & go)					z /ts/	c /tʃ/	j /tɕ/	q /tɕ ^h /	zh /tʃ/	ch /tʃ ^h /		
Lateral (liquid)	w				l /l/		y		r /r/			

^h = aspirated (explosive)

Approximate Mandarin Chinese Vowels

	Unrounded	Rounded
High	i	ü
Mid	e	u
Low	a	o

Mandarin Chinese Tones



1st ā ē ī ō ū ü

2nd á é í ó ú ú

3rd ǎ ě ĭ ǒ ǔ ǔ

4th à è ì ò ù ù

5th a e i o u ü