

1. PHONEMES

CHART 2A: CONSONANTS

type of sound	phoneme	allophones	orthographic symbol
stop	p	p	p
	b	b b̥	b
	t	t	t
	k	k	k
	g	g g̥ χ	g
fricative	s	s	s
	ʃ	tʃ	ts
nasal	m	m	m
	n	n	n
	ŋ	ŋ	ng
lateral	l	l	l
vibrant	r	r̥ r̄	r
semi-vowel	w	w	u
	y	y	i
	h	h	h

CHART 2B: VOWELS

type of sound	phoneme	allophones	orthographic symbol
front	i	i	i
	ɪ	ɪ	i
	ɛ	ɛ	e
central	a	æ a^ ʌ	a
	a˙	a˙	a
back	o	o^	o
	o˙	o˙˙	o
	o^	o^	ö
	ʊ	ʊ t	u
	u	u	u
	u	u	u
glide	e ⁱ	e ⁱ e˙	ei
		e	e
		ɛ ^v i ɛ ^{v˙}	ei
		ɛ ^v	e
	a ^u	a ^u	au
		ɔ ^u ɔ˙	ou
		ɔ	o
	o ^u	o ^u o ^u ˙	ou
		o ^u	o