

PHONEMES AND ASSOCIATED GRAPHEMES

(compiled from multiple sources: Fry, 2004; Hanna, Hanna, Hodges & Rudorf, 1966; Moats, 2010; LETRS)

CONSONANTS

PHONEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME
/m/	m	mm	mn	mb	lm						
/n/	n	nn	kn	gn	pn						
/ŋ/	n	ng									
/b/	b	bb									
/p/	p	pp									
/d/	d	dd	ld								
/t/	t	tt	bt								
/k/	c	k	ck	ch	que	lk					
/g/	g	gg	gh	gu							
/f/	f	ff	ph	gh	lf						
/v/	v	f	ve								
/s/	s	ss	st	sc	ps	c					
/z/	z	x	s	ss	zz						
/ʃ/	sh	ss	ch	ti	ce	ssi	si	sc	ci	tu	s
/ʒ/	s	z	si	g							
/θ/	th										
/ð/	th										
/tʃ/	t	ch	tch								
/dʒ/	d	g	j	dg	dge						
/h/	h	wh									
/w/	w	wh	u								
/hw/	wh										
/j/	y	i									
/r/	r	rr	rh	wr							
/l/	l	le	ll								
/kw/*	qu										
/ks/*	x										
/gz/*	x										

Note. *These phoneme/grapheme pairings illustrated that the *qu* graphemes is used to represented two phonemes; note the *u* also represents a /w/ in *suede* and *suave*, for example. Thus, it might be more accurate to suggest that *q* represents /k/ and *u* represents /w/. The grapheme *x* is used to represent two phonemes. Speakers show dialect variation wherein, for example, *exit* is pronounced by some speakers with a medial /ks/ but by other speakers with a medial /gz/.

VOWELS

PHONEME	WORD	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME	GRAPHEME
/æ/	cat	a	au								
/ɑ/	cot	a	o								
/ɛ/	bet	e	ea	ai							
/i/	beet	e	y	ee	ea	ei	ey	ie	u	ew	eu
/ɪ/	bit	i	y								
/o/	boat	o	oa	ow							
/u/	boot	u	oo	ou	ew	ui	o				
/ʊ/	put	u	oo	o							
/ʌ/	cut	o	u	oo	ou						
/ɔ/	caught	a	o	aw	augh	au	ough				
/ɜ/*	Bert	ar	er	ir	or	ur	irr	urr			
/aɪ/	bite	i	y	ei	igh	uy	au				
/eɪ/	bait	a	ei	ea	ai	ay	eigh	ey			
/aʊ/	ouch	ou	ow	ough							
/ɔɪ/	boy	oy	oi								
/ju/**	cue	u	ew	eu							
/θ/		a	e	i	o	u	ou				

Note: * We have elected in this table not to differentiate between stressed and unstressed syllable. ** The phonemes /ju/ includes a consonant and vowel. We have listed the combination here as a vowel as it is often referred to as a vowel. In truth, /ju/ creates /j/ blends, as in *cube*, *beautiful*, *fuse*, *music* with the consonant blend not represented in the orthography. It is likely these blends are declining as seen in the variable pronunciation of *coupon*.