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Last updated 1/13/10

## Help with Phonetic Symbols

The table below sets out the phonetic symbols in correspondence with the letters of the alphabet that often spell them, in normal alphabetical order. This list can help you find a symbol you need quickly. The phonetic description of the sound each phonetic symbol stands for is also given.

Alphabet Letter	TragerSmith Phonetic Symbol	IPA Phonetic Symbol	Example Words (spelling of sound underlined)	Phonetic description of sound
a	æ	æ	<u>b</u> ad, pl <u>a</u> id	low front lax unrounded vowel
a	e	e, eɪ	<u>b</u> ait, pl <u>a</u> te, pl <u>a</u> y	mid front unrounded tense vowel
a	ə	ə	<u>a</u> bout, sof <u>a</u>	mid central lax unrounded vowel
a	ɑ	ɑ	<u>f</u> ather	low back lax unrounded vowel
au, aw, ou	ɔ, ɑ	ɔ	tr <u>a</u> uma, l <u>a</u> wn, cou <u>gh</u>	low-mid back lax rounded vowel
b	b	b	<u>b</u> eat, stub <u>b</u> le	voiced bilabial stop
c	k	k	<u>c</u> at, ep <u>i</u> c	voiceless velar stop
c	s	s	<u>c</u> ity, for <u>c</u> e	voiceless alveolar fricative
ch	č	tʃ	<u>ch</u> urch, mat <u>ch</u>	voiceless palatal affricate
ch	k	k	<u>ch</u> aos, a <u>ch</u> e	voiceless velar stop
ch	š	ʃ	<u>ch</u> ine	voiceless palatal fricative

ck	k	k	back, tickle	voiceless velar stop
d	d	d	did, fiddle	voiced alveolar stop
dg	ʃ	dʒ	fudge, bridge	voiced alveo-palatal affricate
e, ee, ea, i, ei, etc.	i	i	see, me, beat, machine, receive, etc.	high front tense unrounded vowel
e	ɛ	ɛ	bet, said, head	mid-low front lax unrounded vowel
ew	o	o	sew	mid back tense rounded vowel
ew	u	u	new	high back tense rounded vowel
f	f	f	fire, stuff, cough, phone	voiceless labiodental fricative
f	v	v	of	voiced labiodental fricative
g	g	g	good, vague, soggy	voiced velar stop
g	ʃ	dʒ	gym, gentle, page	voiced alveo-palatal affricate
h	h	h	high, who	voiceless glottal fricative
i	ay	aɪ	tide, buy, fly	low back - to - high front unrounded diphthong
i	ɪ	ɪ	bit, fin, women (plural)	high-mid front lax unrounded vowel
i	y	j	onion, union	voiced palatal glide

j	ǰ	dʒ	jump, jog	voiced alveo-palatal affricate
k	k	k	<u>k</u> id, ta <u>k</u> en	voiceless velar stop
l	l	l	<u>l</u> ast, fo <u>ll</u> ow, pa <u>l</u>	voiced alveolar lateral liquid
m	m	m	<u>m</u> ood, su <u>mm</u> er	voiced bilabial nasal
n	n	n	su <u>n</u> , fu <u>nn</u> y	voiced alveolar nasal
n, ng	ŋ	ŋ	si <u>ng</u> , pi <u>nk</u> , a <u>ng</u> er	voiced velar nasal
o, oa, oe, ou, ow	o	o, ou	<u>s</u> o, kn <u>o</u> w, bo <u>o</u> t, th <u>o</u> ugh, to <u>o</u>	mid back tense rounded vowel
oo, ou, ough	u	u	bo <u>o</u> t, fo <u>o</u> d, crou <u>u</u> , throu <u>gh</u>	high back tense rounded vowel
o, oo, ou	ʊ	ʊ	bo <u>o</u> k, cou <u>ld</u> , wo <u>m</u> an (singular)	high-mid back lax rounded vowel
o	ɑ	ɑ	ho <u>t</u> , fo <u>nd</u>	low back lax unrounded vowel
o	ɔ	ɔ	co <u>ff</u> ee, do <u>g</u> , fro <u>g</u>	mid-low back lax rounded vowel**
ou, ow	aʊ	aʊ	ho <u>w</u> , abo <u>u</u> t	mid-to-high back rounded diphthong
oi, oy	ɔɪ	ɔɪ	co <u>in</u> , bo <u>y</u>	high-back-lax-rounded to high-front-tense-

				unrounded diphthong
p	p	p	<u>p</u> oppy	voiceless bilabial stop
q	k	k	<u>q</u> ueen, tor <u>q</u> ue	voiceless velar stop
r	r	r, ɹ	<u>r</u> otten, occ <u>rr</u> ed	voiced alveolar retroflex liquid
s	s	s	<u>s</u> ee, cla <u>ss</u>	voiceless alveolar fricative
s	z	z	ea <u>ss</u> y, pha <u>ss</u> e	voiced alveolar fricative
s	ʒ	ʒ	Mea <u>ss</u> ure, fu <u>ss</u> ion	voiced palatal fricative
sh	ʃ	ʃ	<u>sh</u> in, bu <u>sh</u>	voiceless palatal fricative
t	t	t	<u>t</u> op, att <u>tt</u> ack	voiceless alveolar stop
th	θ	θ	<u>th</u> in, ba <u>th</u>	voiceless interdental fricative
th	ð	ð	<u>th</u> ough, bro <u>th</u> er	voiced interdental fricative
th	t	t	<u>th</u> omas	voiceless alveolar stop
u	ʌ	ʌ	<u>u</u> t, so <u>u</u>	mid central lax unrounded vowel
u	u	u	<u>u</u> de, tru <u>u</u> e, flu <u>u</u>	high back tense rounded vowel
u	yu	ju	<u>u</u> nion, pu <u>u</u> e	voiced palatal glide + high back rounded tense vowel
v	v	v	lo <u>v</u> e, <u>v</u> eer	voiced labiodental fricative
w	w	w	<u>w</u> eak, to <u>w</u> er, flu <u>w</u> id	voiced labial glide

wh	w̥	ʍ	<u>w</u> here, <u>w</u> hat	voiceless labial glide §§
x	ks	ks	bo <u>x</u> , a <u>x</u> e	voiceless velar stop + voiceless alveolar fricative
y	y	j	<u>y</u> ou, _u <u>n</u> ion	voiced palatal glide
z	z	z	<u>Z</u> oo, fu <u>z</u> z	voiced alveolar fricative

\*\* YOU MAY NOT HAVE THIS SOUND IN YOUR SPEECH; IT IS NOT UNIVERSAL IN AMERICAN ENGLISH (see 'a' above). If you pronounce 'cot' and 'caught' exactly alike, you probably do not need this symbol to transcribe your own speech.

§§ Most American dialects pronounce 'wh' as [w].