

SAPI Phoneme Set for American English Word Pronunciations		
Phoneme or Label	Examples	Type
1	"father" is "f aa 1 - dh ax r"	phoneme character
2	"hamburger" is "h ae m 1 - b er 2 - g ax r"	phoneme character
-	"hello" is "h eh - l ow"	phoneme character
_	"ba (pause) nana" is "b ax _ - n ae - n ax"	phoneme character
aa	car, got, father	vowel
ae	cat, gas, past, tax	vowel
ah	bud, cut, up	vowel
ao	caught, dog, door, lawn	vowel
aw	foul, hour, now	vowel
ax	ago, comply	vowel
ay	bite, ice, tie	vowel
eh	berry, hello, pet, ten	vowel
er	fur, meter, turn	vowel
ey	ate, day, tape	vowel
ih	fill, hit, lid	vowel
iy	eve, me, steel	vowel
ow	go, own, tone	vowel
oy	coin, oil, toy	vowel
uh	book, good, pull	vowel
uw	crew, through, tool	vowel
b	big, able, tab	consonant
ch	chin, archer, march	consonant
d	dig, idea, wade	consonant
dh	then, father, scythe	consonant
f	fork, after, if	consonant
g	gut, angle, tag	consonant
h	help, ahead, hotel	consonant
jh	joy, agile, edge	consonant
k	cut, oaken, take	consonant
l	lid, elbow, sail	consonant
m	mat, amid, slam	consonant
n	no, end, pan	consonant
ng	anger, drink, sing	consonant
p	put, open, tap	consonant
r	red, far, part	consonant
s	sit, cast, toss	consonant
sh	she, cushion, wash	consonant
t	talk, sat, meter	consonant
th	thin, nothing, truth	consonant
v	vat, have, over	consonant
w	with, away	consonant
y	yard, onion, yacht	consonant
z	zap, haze, lazy	consonant
zh	genre, azure, pleasure	consonant
Notes	Syllable separators are not required ("banana" pronunciations "b ax n ae n ax" and "b ax - n ae - n ax" sound the same), but they offer additional pronunciation flexibility and may make the pronunciation easier to visualize.	
	Providing accurate pronunciation phonemes is often enough to make a word be recognized and voiced better. Primary and secondary stressors may not be needed, but they provide added accuracy (default "father" is "f aa 1 - dh ax r").	
	The "er" sound is often misinterpreted as the "ax" phone. So "perspire" may be interpreted as "p ax s p ay ax." You may need to experiment a little to get the right pronunciation, which is "p ax r - s p ay 1 - ax r" in this example.	
	The silence character "_" essentially injects a brief pause into a word's pronunciation. It may also partially mask (i.e., limit output) of nearby phones.	
	Terminator characters (! ? , .) and a word separator (&) are also part of the SAPI Phoneme Set, however for the purposes of Speech Dictionary modification they are not needed and so are not included in the above table.	
Source 1Source 2Source 3		