

Name: Clayton George

Week 1 quiz

1. Circle the members of the minimal pair in this dataset (Papago, an Uto-Aztecan language)

tokih	'cotton'
<u>tamj</u>	'gums'
todsid	'to frighten'
dakpon	'to slip'
<u>damj</u>	'storm'
tohnto	'degenerate'

Are the two sounds in question allophones of 1 phoneme or are they 2 separate phonemes?

*t & d are 2 separate phonemes.*

2. Data from an imaginary language:

fizum	'map'	ntengoku	'heaven'
torini	'bird'	sot	'outside'
atamam	'head'	fj'kam	'underground'
hafini	'bee'		

Extract the environments that [t] and [ʃ] occur in (use x\_\_y format)

[t]	[ʃ]
# _ o	# _ i
a _ a	a _ i
n _ e	# _ i
o _ #	

State in prose what environment each sound occurs in

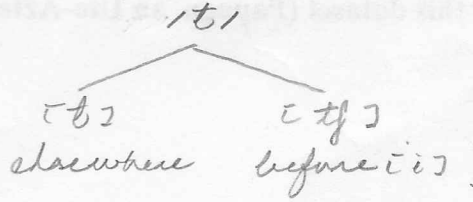
[t]: *elsewhere*

[ʃ]: *before [i], high-front tense unrounded vowel*

Are the two sounds in question allophones of 1 phoneme or are they 2 separate phonemes?

*Since there's no minimal pair exhibited between these 2 vowels, these 2 sounds are allophones of 1 phoneme.*

Draw a phonemicization diagram for the two sounds in question



Write a rule, if applicable

*Aspiration*

$/t/ \rightarrow [t̥] / \text{--- } i$   
 $\left[ \begin{array}{l} + \text{high} \\ + \text{front} \\ - \text{rounded} \end{array} \right]$

3. [Extra credit] Describe how the following sounds are articulated e.g. [p]: voiceless bilabial stop

[ɣ]: *voiced velar fricative*

[y]: *high front lax rounded vowel*