

LINGUISTICS 321  
*Phonology*

**EXERCISE #5**

**CHAMORRO:**

Consider the following data from Chamorro (an Austronesian) language).

|        |                  |            |                      |
|--------|------------------|------------|----------------------|
| gwíhən | <i>fish</i>      | i gwíhən   | <i>the fish</i>      |
| gúmə   | <i>house</i>     | i gímə     | <i>the house</i>     |
| túnʊ?  | <i>to know</i>   | en tínʊ?   | <i>you know</i>      |
| húlu?  | <i>up</i>        | sən hílu?  | <i>upward</i>        |
| pécu   | <i>chest</i>     | i pécu     | <i>the chest</i>     |
| tómu   | <i>knee</i>      | i tému     | <i>the knee</i>      |
| ótdut  | <i>ant</i>       | mi étdut   | <i>lots of ants</i>  |
| óksʊ?  | <i>hill</i>      | gi éksʊ?   | <i>at the hill</i>   |
| láhl   | <i>male</i>      | i láhl     | <i>the male</i>      |
| lágu   | <i>north</i>     | sən lágu   | <i>toward north</i>  |
| dágl   | <i>to lie</i>    | i dinəgíhù | <i>my lie</i>        |
| gódI   | <i>to tie</i>    | i ginIdéhù | <i>my thing tied</i> |
| dágu   | <i>yam</i>       | i dəgúhù   | <i>my yam</i>        |
| pécu   | <i>chest</i>     | i pIcóhù   | <i>my chest</i>      |
| gwíhən | <i>fish</i>      | i gwíhánhù | <i>my fish</i>       |
| pígwə? | <i>betel nut</i> | i pIgwáʔhù | <i>my betelnut</i>   |

- List the vowel phonemes.
- State the distribution of all the vowel allophones.
- Is stress phonemic?
- Identify the phonological processes relevant to the vowel alternations.
- Give the derivation of *dágl*, *i dinəgíhù*, *dágu* and *i dəgúhù*.
- Is rule ordering relevant in these derivations? Explain.



