Homework Assignment #2

Phonetics of consonants and vowels

Due **M Sept 11 at the beginning of class**. Please write or type your assignment on a separate paper, not on this assignment sheet.

• *CL* is your textbook, *Contemporary Linguistics*

NOTES: If you do not yet have your textbook, a PDF copy of *CL* Ch 2 is on reserve for our course. (See "Course Reserves" on the LING 101 Canvas site for more information.)

You may handwrite or type your homework assignment. If you need help **typing phonetic symbols**, there is information at:
https://users.castle.unc.edu/~jlsmith/ipa-fonts.html

You can also copy/paste phonetic symbols from lecture slides.

Practice with the parts of the vocal tract

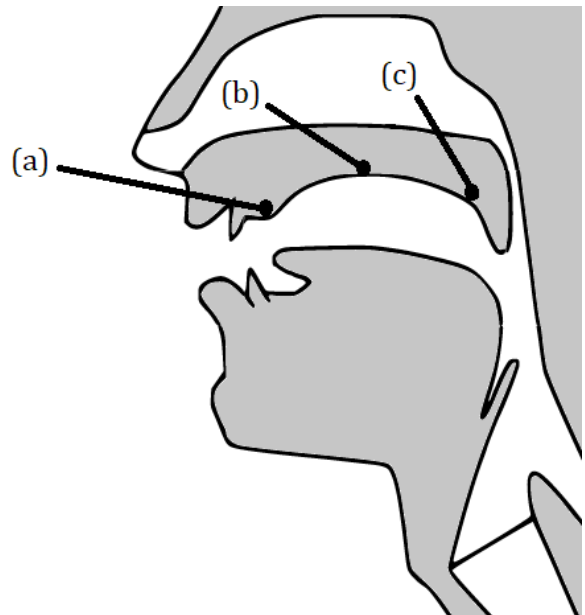• **Q1.** Name the vocal-tract structure that each line (a)–(c) is pointing to.

Image from
http://smu-facweb.smu.ca/~s0949176/sammy/

Exercises from *CL* (Ch 2, pp 63–64)

• **Q2.** Do Ch 2, Ex (7), all items (a)–(h)
  - Note that the textbook takes some shortcuts with all consonants that are "oral", and with "nasal stop"!

• **Q3.** Do Ch 2, Ex (10), items (b), (c), (f), (j), (n) | Note these **additional instructions**:
  - Please write down where you grew up, and your native language if not English
  - If you are having a hard time choosing the right symbol to transcribe the vowel as you pronounce the word, just pick the symbol you think is *closest*

(continued)

Practice with sound properties

- **Q4.** For each item in the table below, state **one** phonetic property (*fricative*, *low*, etc.) that all segments in the group share, but that the single segment on the right side does **not** also share. (There may be more than one equally good answer — choose one.)

  Example: If you are asked what property [b d g u m j] share but [t] does not, the best answer would be *voiced*.

	Provide a single phonetic characteristic that the sounds in this group share...	...but this sound does not share
a)	[p b m]	[k]
b)	[i e ɛ æ]	[u]
c)	[t d n l ɹ s z]	[ʒ]
d)	[ʌ ə æ ʊ]	[i]
e)	[h ʔ]	[f]
f)	[u o]	[ɑ]
g)	[p n k g ŋ ʔ]	[ʃ]