

Name: _____

Section: _____

Homework 2

Due January 29/30

1. Transcribe the following words as they are produced in hw2_1.wav. Transcribe them as best as you can, using the transcription conventions we have covered so far. Each item is repeated three times.

- a. chocolate pudding []
- b. either []
- c. either []
- d. digest []
- e. digest []
- f. calm down []
- g. caught []
- h. corollary []
- i. corollary []
- j. exit []
- k. exit []
- l. newspaper []
- m. newspaper []

2. Drawing Sagittal Diagrams. In the space below, draw sagittal diagrams of someone producing the following sounds. (Examples of sagittal diagrams are given in Figure 1.15, p. 26 in Ladefoged's text [fifth edition].) On each diagram, label the passive and active articulator involved in producing the sound.

1. [b]

2. [ʒ]

3. [ŋ]

4. [l]

3. WaveSurfer exercise

1. Listen to hw2_3.wav.
2. Select the waveform for the word 'fantastic'.
3. Save the selection as a new wav file and name it as hw2_3lab01.wav
4. Open hw2_3lab01.wav with the Waveform configuration. Insert 50 milliseconds of silence at both ends of the file and between syllables (i.e., silence "fan" silence "ta" silence "stic" silence).
5. Add a Spectrogram pane and a Transcription pane.
6. Print out the spectrogram and waveform for the whole sound (i.e., modified 'fantastic').
7. On your print out, write (broad) transcription in the Transcription pane under (or above) the spectrogram with each of the transcription characters aligned with the portion of the signal corresponding to that character. Draw lines from either side of each character to the part of the signal corresponding to roughly the beginning and end of each of the segments.