

## Questions for discussion, Chapter 8

March 3, 2008

1. Make sure you know what the following terms mean:

sound waves; (see the vocal folds on the web)  
frequency (Hertz: Hz)

2. What are formants?

formant 1; formant 2; formant 3; and formant 4, etc.  
(pp. 186-187)

3. What is the relationship between the first two formants and the locations of vowels? (p. 189)

4. What are acoustic features of consonants?

Can you demonstrate and identify the features listed in Figures 8.7-8.11 on pages 192-196 by means of PRAAT?

5. The notion of spectrogram

Try to say “She came back and started again” and identify each phoneme by looking at the spectrogram chart. (Use PRAAT)

6. Compare with your partners to observe the individual differences/deviations.

7. The pitch and how it should be presented.