These exercises will be due at the beginning of class on Friday, February 3.

1. For each of the following articulatory descriptions, write the sound it describes, enclosing it in square brackets to indicate that it is a phonetic transcription.
   a. voiced interdental fricative
   b. high back rounded lax vowel
   c. voiceless alveopalatal affricate
   d. aspirated voiceless bilabial stop
   e. syllabic voiced alveolar nasal

2. Provide phonetic transcriptions of the American English pronunciations of the words *north* and *northern*. What is the difference in articulation between the sounds represented by *th* in these two words? What articulatory process might have caused this difference?

3. Have a native speaker of American English read the following words aloud to you and transcribe phonetically the pronunciation that you hear.
   a. raisin
   b. treasure
   c. unity
   d. images
   e. forensic
   f. colonel
   g. hallway
   h. purely
   i. bunted
   j. songwriter
   k. vowels
   l. delicious
   m. judged
   n. yellow

4. Identify the following words from the phonetic transcriptions of their pronunciations in (one dialect of) American English.
   a. \[sizɪz\]
   b. \[ʃæns\]
   c. \[ˈfɔli\]
   d. \[pʰəˈzɛʃn\]
   e. \[weɪˈɡæz\]
   f. \[ˈkJʊərəv\]