1. For each of the stops [p, t, k, b, d, g] state whether they are traditionally classified as voiced or voiceless. Pair up the stops into voiceless/voiced pairs at the same place of articulation.

2. Using Praat, open the sound files for the words pest, best, test, desk, keg and guest and look at the spectrograms for each word in turn. Determine by visual inspection whether or not the stops are pronounced with vocal fold vibration and record your observations.

3. Measure and record the voice onset time for each of the stops in milliseconds (round to the nearest millisecond).

4. Write a short statement in which you explain the phonetic basis for the distinction between voiced and voiceless stops.