

LING 450/550: Homework 2

Due: Tuesday, October 7, 2025 at 8:30am

Please read all instructions carefully before starting the assignment. The instructions include important information about all homeworks this quarter. If you have any questions, please ask them in class or via email.

Instructions

- Please submit your homework as a PDF file on Canvas by the deadline.
- You may work with other students in the class, but you must write up your solutions independently and in your own words. Please list any collaborators at the end of your assignment.
- You may use any resources you like, but please cite them appropriately using the [APA citation style](#) or the [Unified Style Sheet for Linguistics](#). If you use online resources, please make sure they are reputable and reliable.
- Please make sure your solutions are clear and well-organized. Use headings, bullet points, and diagrams where appropriate to help illustrate your points.
- If you have any questions or need clarification on any part of the assignment, please don't hesitate to reach out to me via email or during office hours.
- AI tools (e.g., ChatGPT, Grammarly, Copilot, etc.) may be used to help with grammar, spelling, and formatting. However, you must ensure that all content is your own work and that you understand everything you submit. Please indicate in a footnote/endnote if you used any AI tools and for what purpose.

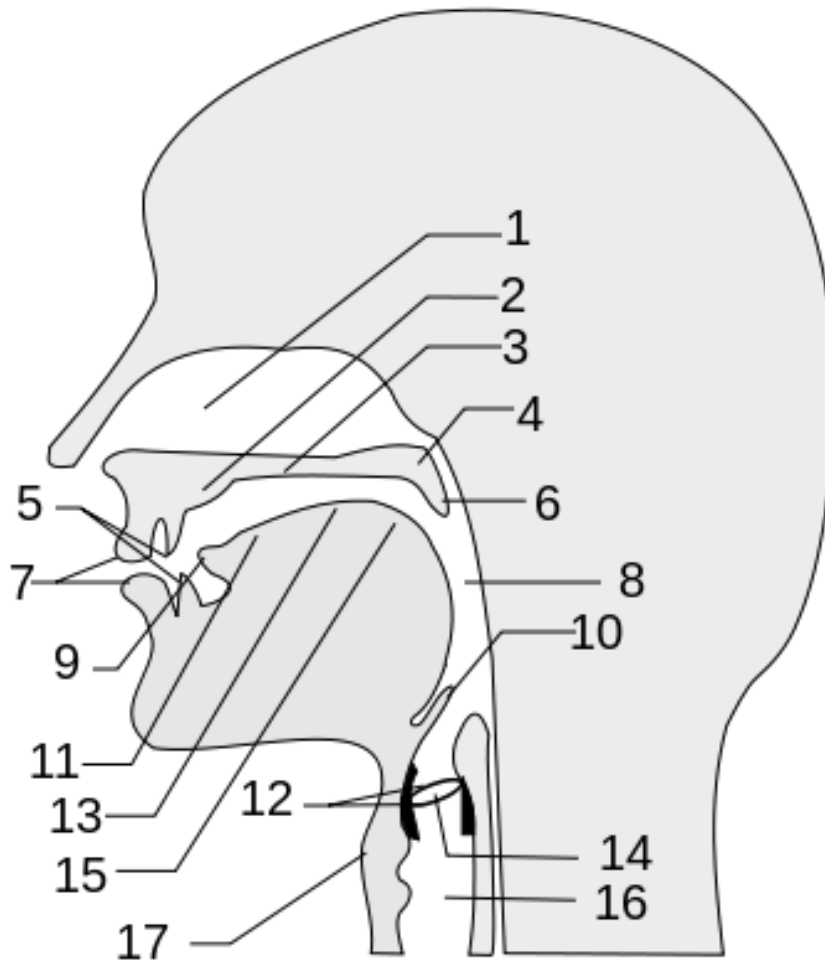
Part 1: Describing articulation

Please answer the following questions about articulatory phonetics. Your responses should be about 1-2 paragraphs for each question.

1. Describe how the vocal folds operate, with special attention to how *voicing*, or vocal fold vibration works, including how we change the pitches of our voices
2. Describe the velum's function in speech. Your answer should include terms such as *oral airflow*, *nasal airflow*, as well as *place of articulation*.

Part 2: Labeling articulators

Below is a midsagittal view of the vocal tract from Forinash & Christian (2025). Your task is to provide the appropriate names for each of the numbered parts in the midsagittal view.



1. _____

9. _____

2. _____

10. _____

3. _____

11. _____

4. _____

12. _____

5. _____

13. _____

6. _____

14. _____

7. _____

15. _____

8. _____

16. _____

Understanding the articulations

On the following page, there are three partially complete vocal tract diagrams. For each diagram, you must complete the diagram for the consonantal sound that begins each corresponding word.

References

Forinash, Kyle & Wolfgang Christian. 2025. *Sound: An Interactive eBook*. LibreTexts.org.