

## Laboratory 6/7- Sensory Physiology

### Purpose

The purpose of lab 6/7 is how our sensation interacts with three of the basic components of the nervous system. Which are receptors, sensory neurons, and interpretation centers.

### Procedure

In a quiet room, the instructor will demonstrate the proper method of operating the audiometer.<sup>2</sup>

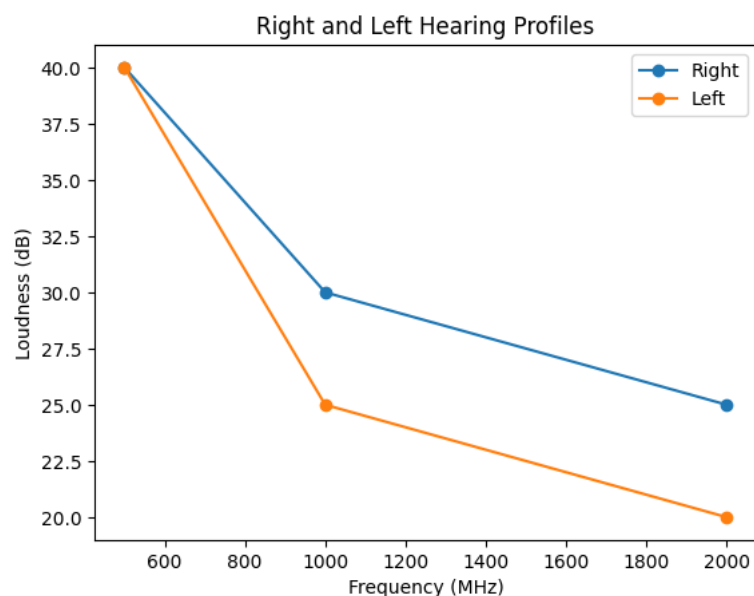
Audiometry tests will be conducted in pairs. Each student will take his/her partner's audiogram.<sup>3</sup>

Record your results on the worksheet on page 44.<sup>4</sup> Analyze the audiograms in the following

way: a. Average the values obtained for each ear for the frequencies of 500 Hz, 1000 Hz, and 2000 Hz. b. Subtract 26 dB from each average. c. If the difference is greater than 26, multiply this number by 1.5%. This equals the percent impairment of each ear.

### Results

I analyze the audiograms as shown on graph below.



## **Discussion**

After the procedure I did see I am able to hear better on my left ear than my right ear.

## **Conclusion**

The audiogram determines individual hearing acuity compared to normal values. For me my right ear has an impairment of 6% and for my left it has an impairment of 2%. My right would be my bad impairment and my left good impairment.