## **Post Assessment**

**Instructions:** Answer the following questions.

## **Understanding Data Conversion:**

1. How does converting a .wav file to a .csv file help in data analysis?

2. What challenges might arise during the conversion process?

## **Analyzing Neural Data:**

3. What differences do you observe between the neural signals of finger and wrist movements?

4. How can downsampling and smoothing impact the quality of your data?

## **Interpreting Visualizations:**

5. What patterns or trends do you notice in visualized neural data?





Name:	Date:	Class:
6. How can these patterns help in understan	ding muscle activity during diff	erent movements?
Critical Thinking: 7. Why is it important to remove noise from t	he neural data?	
8. How would you improve the data collection	n and processing methods for	better accuracy?
Application of Computational Thinking: 9. How did you apply decomposition, pattern	recognition, abstraction, and	algorithm design in this activity?





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10. Can you think of other real-world applications where similar data analysis techniques might be useful?



