**Name: Date: Class:**

### Pre-Assessment

### Quiz on Basic Concepts

### Neuroscience Fundamentals

* + 1. What are neurons, and how do they communicate with muscles?
    2. What is electrophysiology?

1. **Programming Basics**:
   1. What is Python, and what are its common uses?
   2. Can you write a simple Python script to read a file?
   3. **Data Science Basics**:
      1. What is a .wav file?
      2. What is a .csv file?

### Hands-On Pre-Test

* 1. Python Programming:
     1. Write a simple Python script to print "Hello, World!"
     2. Read a text file and print its contents.
  2. Using Google Colab:
     1. Open a Google Colab notebook and execute a basic Python cell.

* + 1. Install a Python library (e.g., NumPy) in Google Colab.

1. **Group Discussion**
   1. Discuss what you know about recording and analyzing electrical signals from muscles.
   2. Brainstorm how you think data conversion from .wav to .csv might be done.