**Reaction time Lab.**

**Objective:**

To investigat how multiple organ systems interact to enable highly developed functions in an organism.

**Describe** how reaction time is different to reflexes. Give an example of how reaction time is an essential life function.

**DATA**

Create a table as shown in the procedure.

Graph YOUR data from experiment number 1 only, comparing your visual, auditory and tactile data on the same graph.

**Analysis.**

Record the formula used to convert your centimeter measurements to seconds. Use the formula to convert 3 of your data points to seconds (I want to see your work). You may use the conversion chart for the rest.

Calculate you average reaction time for each category:

**Your average**

 **reaction time: Visual Auditory Tactile**

**Human**

**reaction time:**

**Discussion**

* Why do you think touch and audio stimuli have a faster reaction time on average? How much faster is it? Do your results match the averages mentioned above?
* Would you expect a difference in the average reaction times between a male and female? What about a more athletic person compared to a more sedentary person?
* Describe the actions and interactions of 3 different organ systems that were utilized during your data collection, Detailing what function each system performed and how the three system interacted, allowing you to catch the ruler quickly. You may want to illustrate here.