Name: _____   Period: _____

"Mechanical Wave Simulator Online Lab" Scoring Sheet

$+$ $/$**15**

Qualitative Observations (1.5 pts)
- ☐ Is Question #3 correct?
- ☐ Is Question #5 correct?

Raw Data Table (5 pts)
- ☐ Did I include appropriate uncertainties for my raw data?
- ☐ Did I include measurements of the wave speed and amplitude?
- ☐ Do I have an appropriately descriptive title that provides context for the lab data?
- ☐ Do I have appropriate table numbers sequentially?
- ☐ Do I have each column properly labeled with correct headings?
- ☐ Are my column headings distinct from the table contents?
- ☐ Do I have correct units that are ONLY in the column headings?
- ☐ Are both of my trials nested under the appropriate heading?
- ☐ Do I have no calculated values in table my raw tables?
- ☐ Do I have appropriate significant figures (all tables)?
- ☐ Do I have the same level of precision throughout the data set?
- ☐ Are my tables typed and formatted so it is clear and easy to interpret?

Data Analysis (2 pts)
- ☐ Did I include Table 2 with all required calculated values?
- ☐ Does Table 2 have appropriate formatting (title, #, units, column headings)?
- ☐ Have I included equations used in variable form?
- ☐ Have I included a correct sample calculation for period with units in my final answer?

Graph: Relationship between Wavelength and Period (5 pts)
- ☐ Do I have an appropriately descriptive title that provides context for the lab data?
- ☐ Do I have an appropriate graph number?
- ☐ Do I have appropriate labels on each axis?
- ☐ Are my variables on the correct axis?
- ☐ Have I included proper units on each axis label?
- ☐ Are my axes scaled appropriately for data set?
- ☐ Did I include a best fit trend line/curve that matches the trend of data?
- ☐ Did I include an equation for trend line (with physics variables and units)?
- ☐ Did I include the slope for my graph with proper units included?
- ☐ Is my graph formatted so it is clear and easy to interpret using LoggerPro?

Analysis Questions (1.5 pts)
- ☐ Is Analysis Question #9a correct?
- ☐ Is Analysis Question #9b correct with my work shown?