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**Lab : Sounds on Strings**

**I Purpose:**

Find at least two methods for making the sound of the vibrating string change pitch.

**II Procedure:**

Draw the setup of your string instrument.

1) Draw a modification you made 2) Draw a modification you made

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**III Analysis:**

What factors do you think can change the pitch of the sound?

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Draw what is happening to wave as it changes to a *Higher* pitch.

Draw what is happening to the wave as it changes to a *Lower* pitch.

**IV Conclusion:**

Explain the two methods that you found to change the pitch of the sound. Why did each method make the pitch higher or lower?

(You must use the words: wavelength, wave speed, frequency, amplitude)

When a guitar player plays their instrument, explain all THREE ways that they could make the pitch of their sound higher.

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