

Exercise

A Rubber Band Guitar

The following activities are based on the experiment on a rubber band guitar. Follow the steps from the text book and carry out the experiment with an adult.

1. The rubber band made a sound when it was plucked because it was \_\_\_\_\_.

2. **Underline the correct answer.**

a) When the rubber band was made:-

i.) Tighter the sound was higher/lower.

ii.) Looser the sound was higher/lower.

b.) A low sound is caused by a high/low frequency.

c.) A high sound is caused by a high/low frequency.

3a.) What is the purpose of using a paper cone?

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b.) Draw a labeled diagram to show how you set up the nails and rubber band.



4. Conclusion:

When a rubber band vibrates with high frequency it produces a sound of a high pitch.

If the rubber band vibrates with a low frequency it produces a sound of a \_\_\_\_\_ pitch.

If a rubber band is tight, the sound produced is of a \_\_\_\_\_ pitch.

If a rubber band is loose, the sound produced is of a \_\_\_\_\_ pitch.