

1008 Dreketi Sangam School
Basic Science
Marking Scheme
Year 7

Carry out the experiment on **A Rubber Band Guitar** with an adult and answer the following questions. Refer to the text book.

1. The rubber band made a sound when it was plucked because it was **moving /vibrating**.

2. **Underline the correct answer.**

a) When the rubber band was made:-

i.) Tighter the sound was higher/lower.

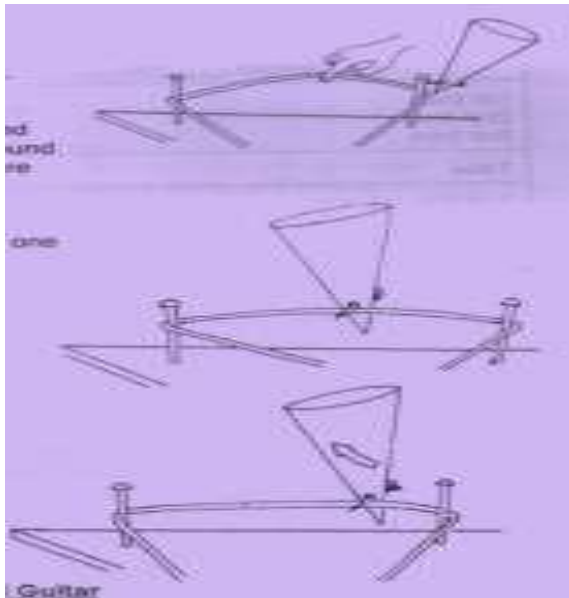
ii.) Looser the sound was higher/lower.

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? **The cone amplifies the sound.**

b.) Draw a labeled diagram to show how you set up the nails and rubber band. **Refer to the diagram in the notes in your text book**



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 **low** pitch.

If a rubber band is tight, the sound produced is of a **high** pitched.

If a rubber band is loose, the sound produced is of a **low** pitched.