

Strings

Which sound higher:

- 1.thick or thin strings?
- 2.tight or loose strings?
- 3.long or short strings?

Explain all three results in terms of frequency of vibrations; for example, why would thick strings have a lower or higher vibration frequency than thin strings?

1.

2.

3.

Are there differences in how loud or soft the strings sound? What seems to cause the differences?

Are there differences in how dull or clear the sound is? What seems to cause the differences?

What determines whether the sound of a string is loud or soft?

Based on your observations, explain what happens to the sound of a string when someone presses it tightly against the instrument. What changes if the string is pressed in a different spot?