

The pitch of a sound



The pitch of a sound is how high or low it sounds.

The pitch of a sound depends on how quickly the strings of an instrument vibrate.

Different types of strings behave in different ways.

The thickness of a string will change the pitch of the sound.

A thick string vibrates more slowly so it has a low pitch.

However a thin string vibrates more quickly and therefore has a high pitch.

The length of the string will also change the pitch of the sound.

A long string contains more matter so it takes longer to speed up and slow down. It vibrates more slowly and therefore it makes a lower pitch.

A short string vibrates more quickly and makes a higher sound.

The pitch of a string also depends on how tight the string is.

The tighter the string is, the faster it vibrates and the higher the note is.