

Max's Musical Pitch Adventure

Tune into the sound of science—discover how Max the monkey finds the perfect pitch!

- A high pitch is created when an object vibrates at a high frequency, creating sound waves that are very close together.
- A low pitch is produced by a slower vibration, often caused by longer or thicker strings and objects.
- Tension affects pitch: tightening a string increases the tension and results in a higher, sharper note.
- Shorter instruments, like a piccolo or a small bell, generally produce higher pitches than large, long instruments like a double bass.
- Pitch is independent of volume; you can play a high note very quietly or a low note very loudly.

Did you know? Did you know? When you pluck a guitar string, it vibrates back and forth incredibly fast! These vibrations create sound waves that travel through the air to your ears. The speed of these vibrations, known as frequency, is exactly what determines whether a note sounds high or low.

Key vocabulary: Pitch · Vibration · Frequency · Amplitude · Tension · Oscillation · High · Low