

Nova's Guide to the Science of Sound

Listen Up! Explore the World of Sound with Nova the Owl.

- **Sounds are made when objects shake very quickly. This movement is called a vibration.**
- **Sound travels through the air in invisible waves, just like ripples moving across a pond.**
- **A high pitch sounds like a squeak, while a low pitch sounds like a deep rumble.**
- **Volume is how loud or quiet a sound is. A big vibration makes a loud sound.**
- **Our ears catch sound waves and send a message to our brain so we can hear.**

Did you know? Did you know? Sound cannot travel through a vacuum, which is a space with no air or particles. This means that in outer space, it is completely silent because there is nothing for the sound waves to travel through!

Key vocabulary: Vibration · Sound wave · Volume · Pitch · Ear