

Simplify  
Science™

# Let's Learn About: *Sound*

# Sound

Sound is what we hear with our ears.



# Sound



*playing a piano*



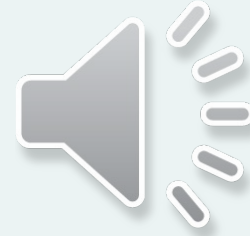
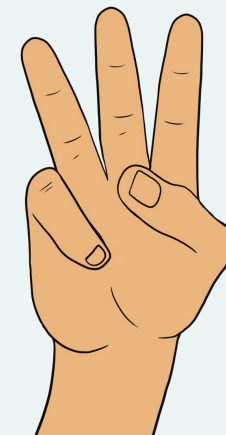
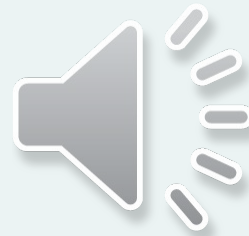
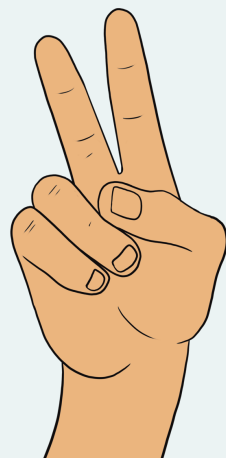
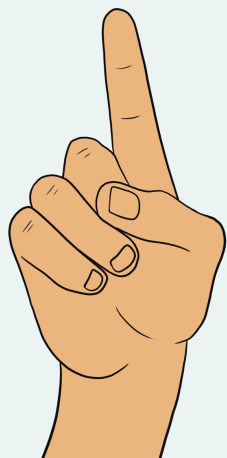
*a dog barking*

What are some other sounds you know?

# Match the Sound!



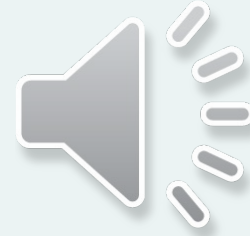
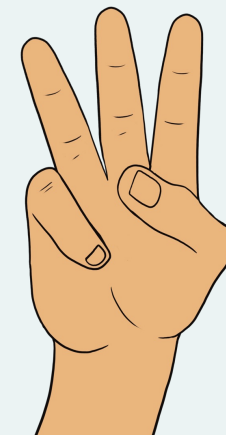
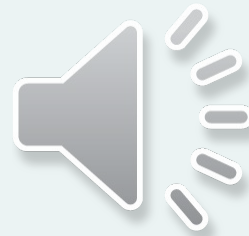
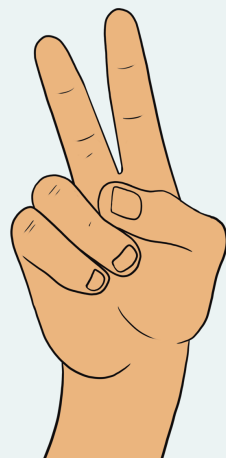
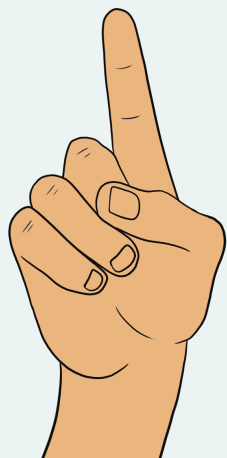
Match the sound to the video.



# Match the Sound!



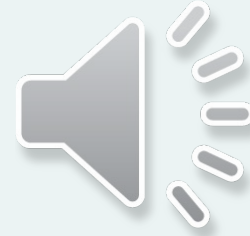
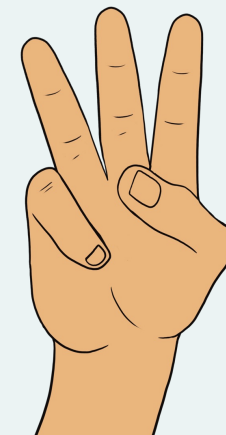
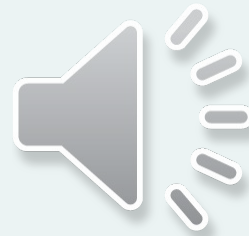
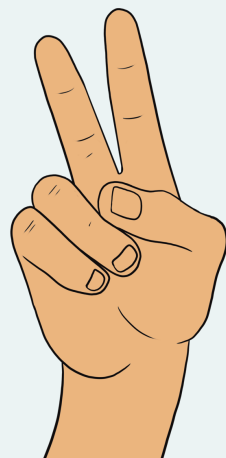
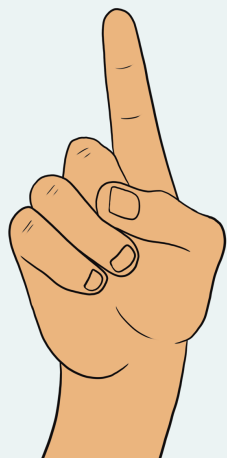
Match the sound to the video.



# Match the Sound!



Match the sound to the video.






# Vibration



**Vibration** creates sound.

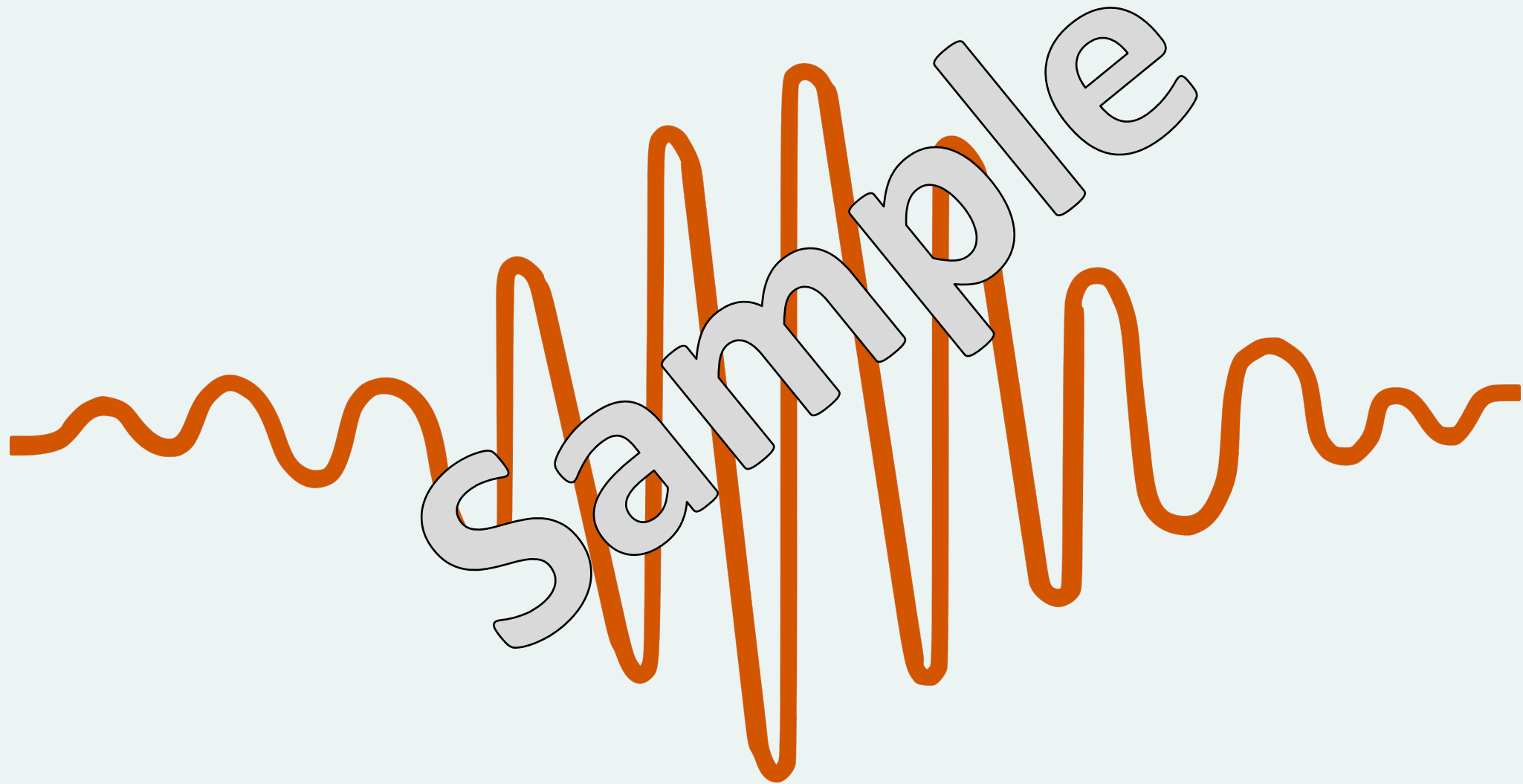
When something vibrates, it quickly moves:

- Up and down  
- Side to side 

Do you see these strings vibrating?

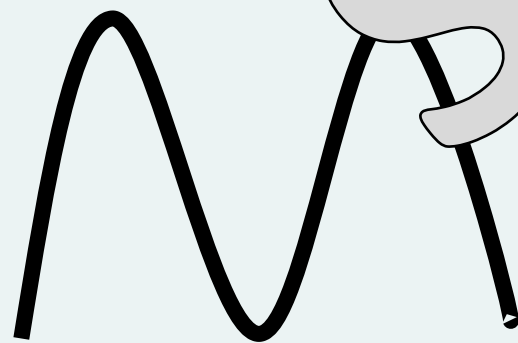
# Sound Waves

Sound waves bring sound to our ears.





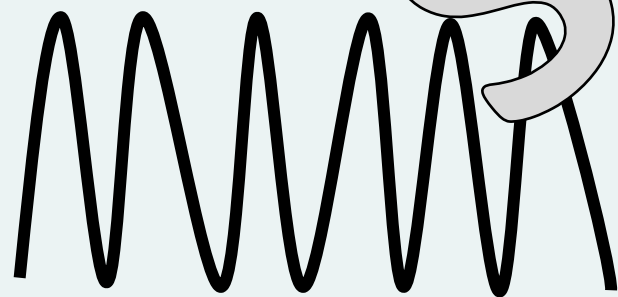
# Low Pitch



Low

Sound waves that are **slow** create a sound with a **low pitch**.

# High Pitch



High

Sound waves that are **fast** create a sound with a **high pitch**.

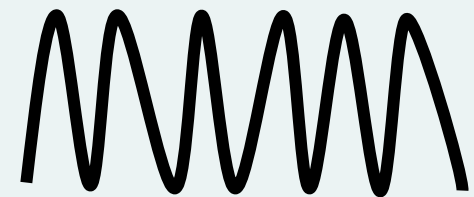
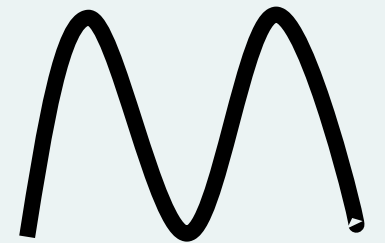
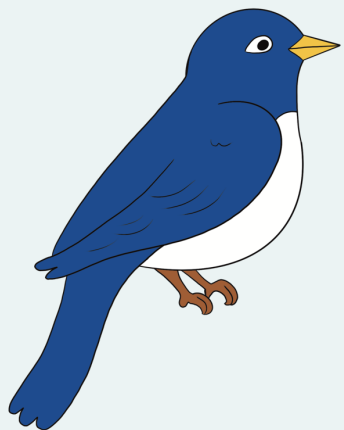
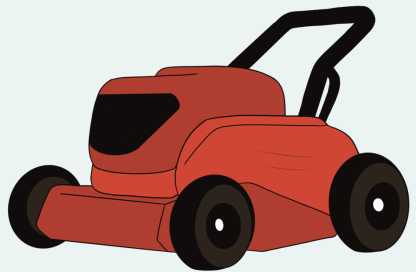
# High or Low?

Listen to the sounds:



Which sound is **low-pitched**, like a lawnmower?

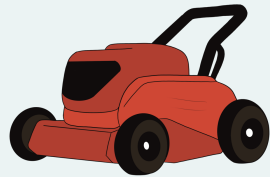
Which sound is **high-pitched**, like a bird chirping?



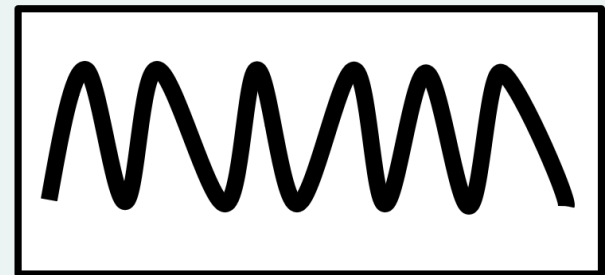
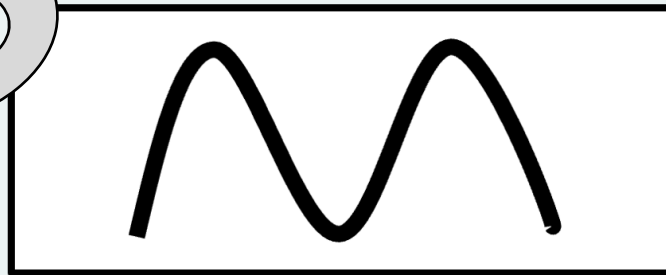
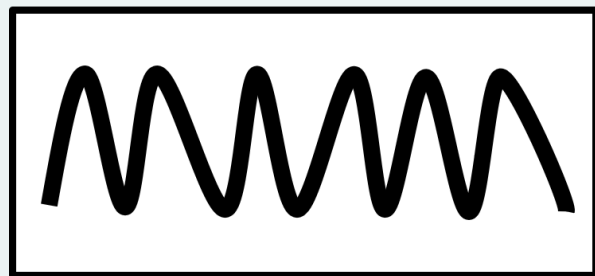
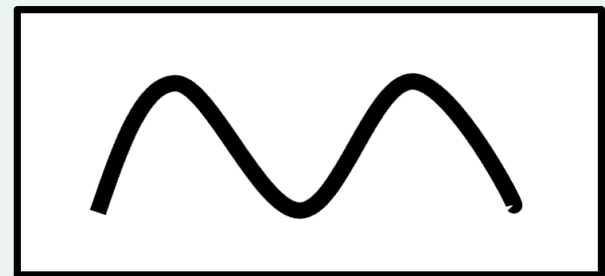
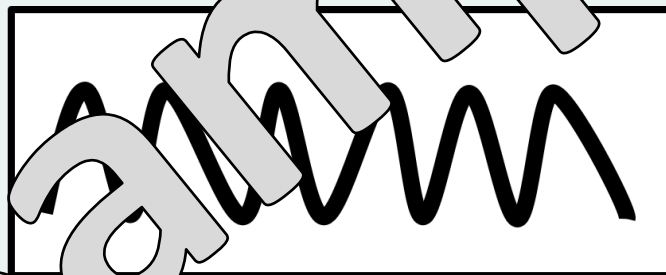
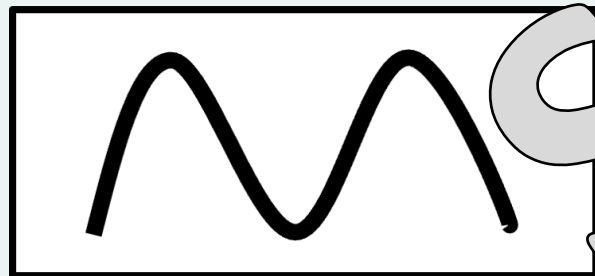
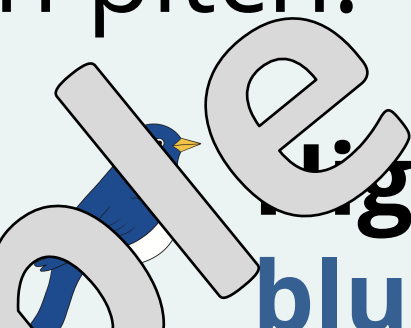
# Try It!

Color the waves based on whether they are high or low in pitch.


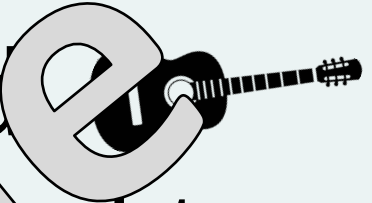


Low pitch:  
**red**



High pitch:  
**blue**



# What Did We Learn?

- **Sound** is what we hear with our ears. 
- **Vibration** creates sound. 
- **Sound waves** bring sound to our ears. 
- Sound waves that are fast create a **high pitch**. 
- Sound waves that are slow create a **low pitch**. 