

FREQUENCY AND AMPLITUDE SCAVENGER HUNT

You probably remember that sound always starts with a Vibration. Whenever we study sound vibrations we talk about their Frequency and Amplitude because it helps us understand the sound! Frequency refers to how quickly the vibrations are moving the air particles back and forth and Amplitude tells us how large the vibrations are moving through the air. So, some sounds can have High Frequencies and move particles in the air quickly, but also be very Quiet and have Low Amplitude. Think about the sound of a flute, it can play very high frequencies but sometimes also play very quietly!

MUSIC STUDIO

Today, go on a **Scavenger Hunt** in your own home
and see if you can define
some of the sounds you

hear around you. Do Birds chirp with high frequencies? What about the rumbling of trucks driving by on the road? Do you find anything that's very quiet like the whirr of a computer fan? Also, when you fill out the scavenger hunt, is there anything really cool about the sound? Be sure to include it below!

What You Need:

- Something to Write With
- The Included Scavenger Hunt

Activity Steps:

Use the chart below to go on a **Soundwave Scavenger Hunt** around your home!

What is Making the Sound?	Frequency (Is it High or Low?)	Amplitude (Is it Loud or Soft?)	What is cool about the sound?