

HOW IS **SOUND** **MADE?**



by Emily Raij



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Words in **bold** are in the glossary.

A SOUND INVESTIGATION

It's a great day for the beach! You lie in the warm sand and close your eyes. The ocean waves splash. Wind blows through the trees. These soft sounds could put you to sleep.

Suddenly, you hear a fire truck. The siren gets louder as the truck zooms past. Seagulls squawk. They want your picnic lunch. You're wide awake now!



Quiet sounds. Loud sounds. Some make you feel relaxed. Other sounds are too much! Why are sounds so different? And how do we hear them all?



Let's do a hearing investigation.
This will be music to your ears!

You're going to make a musical instrument with glass bottles. Each bottle is filled with a different amount of water. The bottles are lined up in a row. You blow across the top of each one to make sound. It's a bottle band!

You need five of the same glass bottles, water, and five stickers numbered 1 to 5. You can stir a drop of food coloring into the water. It makes it easier to see when you fill the bottles.

Place the bottles flat on a table. Fill one bottle with water. Leave another one empty. Now pour different amounts of water in the other three bottles. One can be half full. Another can be less than half full. The last can be more than half full.

Place sticker 1 on the empty bottle. Put sticker 2 on the full bottle. Stickers 3, 4, and 5 go on the other three bottles.

