



## SOUND WAVES

Sound is a type of energy made by vibrations. Log into Summa Kids with your library card and Watch the video [Sound-sational!](#) to learn about how sound travels.

Put your fingers on your throat and speak; you will feel the vibrations caused by your vocal cords. As sounds travels the particles in the air are vibrating in a pattern of waves. Sound waves can also travel through liquids and solids. In fact, it can travel better in liquids and solids than through air. Whale sounds are heard by other whales hundreds of kilometers away.

### Let's experiment.

Try knocking on the table and listen to the sound as it travels through the air to your ears. Now put your ear down on the table and knock again. Is the sound louder or quieter travelling though the solid table than through the air?

Now try other types of materials or furniture. Try knocking on the window with and without your ear up against it. How well does the sound travel through the air and then through the solid window? Was it loud or soft, clear or muffled? Fill in this chart to record your observations.

Type of Material / Furniture	Sound through the air	Sound through the solid
<b>Window</b>		
<b>Pillow</b>		
Try with other things around your home.		