





# Water Xylophone

Students will learn about sound waves and echolocation by observing how sound travels through air and water.

K - 2nd  
Grade

## Materials

-  Water
-  5 or more glass cups
-  Food coloring (optional)
-  Metal spoon

## Directions

1. Line up your empty glasses up in a row. Each glass should be the same size and shape. Tap each with your spoon and observe the sound that they make.
2. Fill your first glass almost to the brim with water.
3. Fill your second glass with about an inch less water than the first glass.
4. Repeat step three with the rest of your glasses. Each glass should have less and less water until the final glass, which should have about an inch of water in it.
5. Tap each glass with your spoon and observe the sounds they make.

## Additional Questions

1. Do the glasses make the same sounds as when they were empty?
2. Are you able to play any songs on the glasses?

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learn more  
about sound!

