

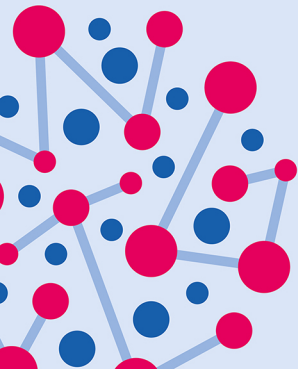
Bottle chimes

At-home science activity



You will need:

- Eight identical glass bottles, jars or tumblers
- Metal spoon
- Water





1. Add different quantities of water to the bottles/jars: Fill the first with a small amount while almost filling the last completely.
2. Use the metal spoon to tap the sides of the bottles.
3. Try to change the quantities of water in the bottles so that they produce a scale of notes.
4. Think about: What do you notice about the sound as the amount of water increases? Swipe to find learn more!

- Tapping the bottle causes it to vibrate.
- As more water is added, the bottle becomes heavier and its vibrations are slower.
- This means that fewer vibrations occur every second.
- The frequency of the sound wave is less and the note becomes lower pitched.

