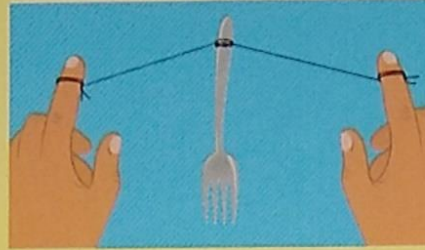


Chiming fork

Try this to find out how sound vibrations work.



Don't tie the thread too tightly around your fingers; it could restrict your blood supply.



1. Cut a piece of thread as long as your arm. Tie the middle to the end of a fork. Wind the ends around your fingers.

2. Swing the fork so that it knocks gently against the edge of a table. You will hear a dull clink.



3. Now touch your index fingers to the flaps just in front of your ear holes and let the fork hang down.

4. Swing the fork so that it knocks gently against the table again. What do you hear this time?



What's going on?

When the fork hits the table, it **vibrates**. This makes the air around it vibrate and you **hear a dull clink**. But it makes the thread vibrate too. When you **put your fingers** near your ears, you bring the thread closer to the **sound sensors** in your ears. You can hear the vibrations **much more clearly**. They now make a clear chiming sound in your ear.