What you need:  
- A teacup or mug  
- A teaspoon  
- Good ears

But if you tap the rim of the teacup halfway between those points, you hear a sound that is higher in pitch.

Tapping the rim causes vibrations around the cup, but at the handle the movement is always at a minimum.

So tapping at the specific points on the rim sets up vibrations with different wavelengths and you hear notes of different pitches, or frequencies.

If you tap the rim of the teacup by the handle, opposite the handle or at the two points halfway round the rim, then you hear a low pitched sound.

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