

Play the hydrophone!

Put water into music!

Preparation

6 large glasses

1 small metal
or wooden stick

Natural cordials
or food colourings

Water

Pour water into the 6 glasses, adding a little water in the first one, and then gradually increasing the amount of water poured into each glass. Place them in a row, very slightly apart (making sure they don't touch each other) from the most filled to the least filled.

Adding a little natural cordial, makes things more colourful!

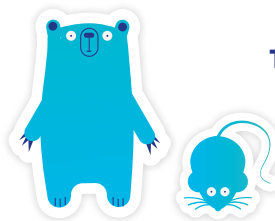


Your turn now!

Strike the glasses with your stick. Magic! Where do all these different sounds come from? Listen carefully.

The more water there is in a glass,
the lower the note it makes.

A low note is like
a bear's voice!



The less water there is in a glass,
the higher the note.

A high note, is like the sound
of a little mouse!



When you hit the glass with your stick, it releases a vibration. This is what produces the sound. Depending on how much water is in the glass, the speed of the vibration is not the same and produces a different sound. Low or high!

Everyone's ready to listen
to the hydrophone concert...

