



Singing Bottles!

You will need:

Several clean glass bottles, three that are the same size and water.

1. Half-fill three equal sized bottles with cold water. Then, pour half of the water from one bottle into one of the others.
2. Move your head so that your lower lip is close to the top of the bottle. Blow across the bottle until you hear a singing sound.
3. Blow across the other two bottles, listening to the sounds they make. Then, arrange the bottles in order of the notes they make. (Adding a few drops of food colouring makes it easier to see how much is in each bottle.)
4. Pour water into lots more bottles. Blow across them, then pour water into and out of them, to make as many different notes as you can.

Swallow Scientists:

What do you think is happening inside the bottle when you blow across the top?

How does the note change according to the amount of air/water in the bottle?

Can you blow a tune on the bottles? This could be well known or even composed by you!