



Experiment 1: Water Xylophone

Step 1:

Fill the glass until it's roughly $\frac{1}{4}$ full. Using the pencil, strike the side of the glass.

Reflect: Listen carefully to the pitch of the glass – is it high or low?



Step 2:

Fill the glass until it's roughly $\frac{1}{2}$ full. Using the pencil, strike the side of the glass.

Reflect: Listen carefully to the pitch of the glass – is it high or low? ?
How did this pitch compare to Step 1?



Step 3: Fill the glass until it's roughly $\frac{3}{4}$ full. Using the pencil, strike the side of the glass.

Reflect: Listen carefully to the pitch of the glass – is it high or low? ?
How did this pitch compare to Step 1 & 2?