

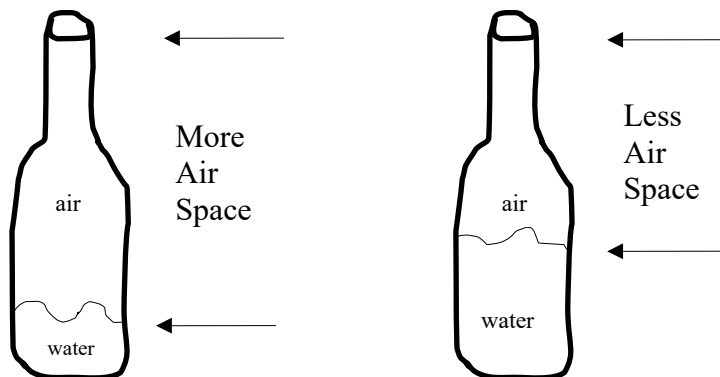
Student Handout
Adventures in Music Presents...

The Sound of Brass

Try this experiment:

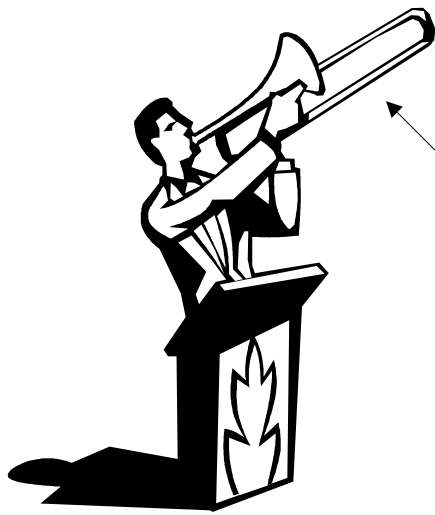
- Put a little bit of water in a bottle, then blow across the top of the bottle to make a sound.
- Add more water to the bottle, and blow again. Listen to the sound; it should be higher.
- Add even more water to the bottle and blow again. You should hear an even higher sound.

When the water fills the bottle, there's less space for the sound. It makes the **LENGTH** in the bottle shorter, so the sound has less space and makes a **HIGHER** sound.

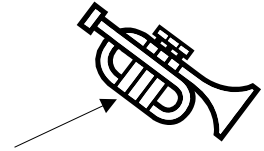


In the same way, **different brass instruments have different lengths of tubes** that people blow into.

Different lengths of tubes will make different sounds.



This trombone tube... **...is longer** than this trumpet tube



During the video, see if you can hear different sounds (higher and lower) because of the different lengths of tubes in different instruments.



Adventures in Music is sponsored by the Port Angeles Symphony Orchestra, Sound Community Bank, 1st Security Bank, D.A. Davidson, Kurt Anderson, Port Ludlow Performing Arts, Shirley Anderson, Rotary Club of Port Angeles