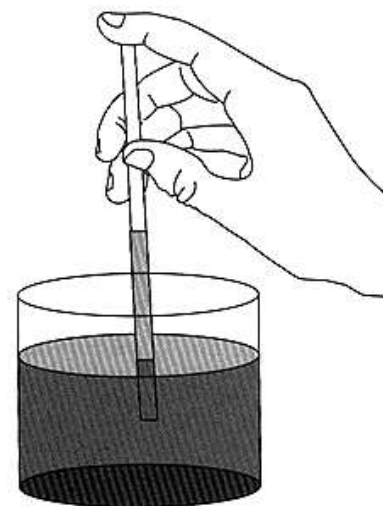


Density Column Challenge!

Your challenge is to stack **three different colors** of water into a single straw!

Test it out:

Have you ever “caught” water in the end of a straw before? Put your finger on the end of the straw opening, dip the end of the straw into one of the containers of water, and quickly lift up your finger and then put your finger back on the top of the straw opening. Keeping your finger in place on the top of the straw, you will notice that you can remove the straw from the water and the straw will hold water from the container.



Your challenge:

In front of you are waters with different colors, each color representing water with a different density. Your challenge is to determine which container of water has the lowest density, second lowest, third lowest, and highest density. We will know you have met your challenge when you can successfully stack all three colors in a single straw!

Before you start:

Record your predictions (with rationale) in your notebook explaining what you think will happen and why.

When you are done:

Record your observations in your notebook (sketches with labels are also good) and explain how you think what you have just learned in this station might impact your shoebox ocean model.

Resource: <http://www.stevespanglerscience.com/blog/experiment-of-the-week/salt-water-density-straw-sick-science/>

Image from: <https://heatinghelp.com/assets/Uploads/heating-pl60-227x300.gif>