

# Density Boxes

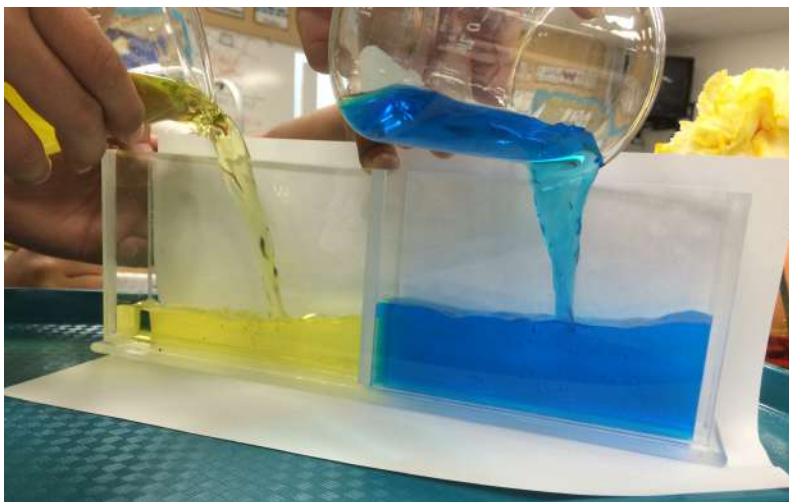
At this station, you will get to see what happens when liquids of different densities come in contact with one another

## **Before you start:**

You will be “mixing” two different colors of liquid in the density box. These waters have two different densities. In your notebook, predict what will happen when you allow the two types of liquid to come in contact with one another, what do you think will happen and why. Provide a rationale for your prediction.

## **Procedures**

1. Carefully place your density box onto a cafeteria tray to catch any spills.
2. Next, pour one color of liquid into one chamber, and the other liquid into the other chamber. These two different colored liquid have different densities.



3. Carefully lift up the center divider that separates the two types of liquid.
4. Observe
5. Repeat with other combinations of liquids of different densities (salinity, temperature, etc)

## **When you are done:**

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