

Materials

Empty plastic bottle with cap

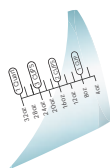
Water (You can add food coloring to make it fun!)

Cooking Oil

Syrup



Activity



1. Fill up the bottle with equal parts water, oil, and honey until it is full. Close the cap tightly on the bottle.

2. Turn the bottle upside down and observe what is happening between the oil, syrup, and water.

Explanation

When the bottle is moving upside down, the water will be at the bottom. Quickly, the water will settle down and the oil will go up. In a reservoir, gas will be at the top, oil will be under the gas, and water will be under the oil. This is because of the difference in density.