

Name: _____

Date: _____

Walking Rainbow Experiment

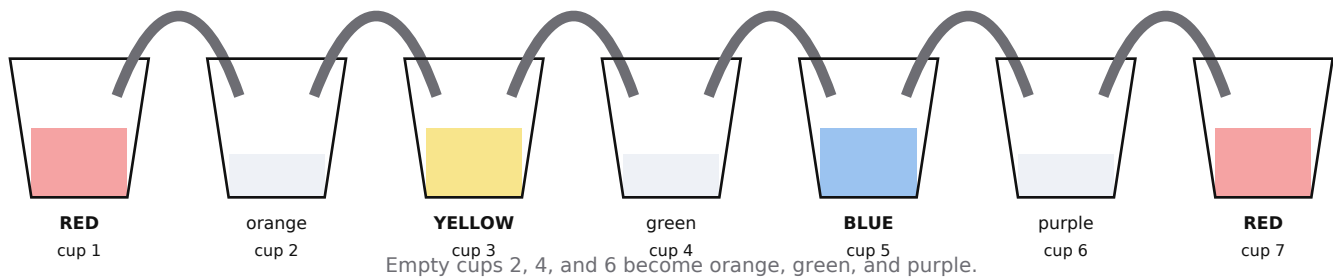
Watch colored water travel and mix through capillary action.

You will need

- ☐ 7 clear cups
- ☐ Water + tray
- ☐ Red, yellow, and blue food coloring
- ☐ 6 folded paper towel strips



Set up 7 cups in one row



Directions

1. Place all 7 cups in a row on a tray.
2. Fill cups 1, 3, 5, and 7 halfway with water.
3. Add red to cups 1 and 7, yellow to cup 3, and blue to cup 5.
4. Fold 6 paper towel strips. Bridge every neighboring pair of cups. Make sure both ends touch the water.
5. Wait 30-60 minutes. Watch the water move and the colors mix.

Adult help required. Do not drink the experiment water.

My prediction

What I observed

Why it works

Paper towel fibers pull water through tiny spaces. This capillary action moves water into the empty cups. There the primary colors mix to make orange, green, and purple.

Draw the rainbow you made.