Circling Around!

Procedure

1. **Collaborate**  Work with a partner. Half fill the large plastic container with water at room temperature. Half fill one test tube with hot tap water. Add several drops of red food coloring to the hot water.

2. **Experiment**  Place your thumb or index finger over the mouth of your test tube and gently lower it to the bottom of the container.

3. **Predict**  Predict what will happen to the colored water when you remove your finger from the test tube. Have your partner record your predictions.

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4. **Observe**  Remove your finger and observe what happens to the colored water. Record your observations.

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5. **Experiment**  Switch roles with your partner and repeat the experiment. This time use ice water containing blue coloring and hold the test tube just below the surface of the water in the large container.

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Conclusion
Write the answers to the questions below.

1. Communicate  Draw and label diagrams of any movement you observed of the colored water.

2. Infer  What caused the movement of the two samples of colored water?

Experiment
What changes could you make to your setup to produce a faster-moving current of colored water? Make the changes and observe the results.