

Cool Water and Warm Water Switch

Materials:

1. Three plastic clear glasses
2. One glass with cold water
3. One glass with hot water
4. One glass with warm water

Directions:

- Put the hot and cold water on either side of the warm water.
- The warm water should be in the center.
- Follow the directions below and have them put their answers on the lines.

1. Put your left index finger in the water of cup on your left and your right index finger in the water of the cup on your right. What type of temperature do you feel in each one?

2. What is the heat transfer?

3. Put both index fingers in the cup of water in the middle. What type of temperature do you feel on both fingers?

4. Explain what the heat transfer is.

5. What are real world applications connected to this experiment?
