

# **CHALLENGE GROWTH**

## **Walking Water**

<https://www.sciencebuddies.org/stem-activities/walking-water>



### **Materials**

- Odd number of clear glasses or cups (at least three)
- Water
- Food colouring
- Spoon
- Half-sheet paper towels (at least three)

### **Prep Work**

- Line up all your glasses in a row.
- Starting with a glass on one end, fill every other glass with water (fill one, skip one, fill one, skip one, etc.).
- Put a few drops of food colouring in each water-filled glass. You can choose what colours to use but do not use the same colour twice in a row.
- Use the spoon to mix the food coloring in each glass. Use a paper towel to wipe off the spoon in between glasses, so you do not transfer the colors.

### **Instructions:**

1. Fold each half-sheet paper towel (except the one you used to clean the spoon) into a narrow strip about one inch wide.
2. Fold each paper towel in half lengthwise to form a "V" shape. The V should be only slightly taller than your glasses. If necessary, rip or cut a little bit off each end of the V to make it shorter.
3. Use one paper towel to connect each pair of adjacent glasses. (Flip the V shape upside-down and put one end in each cup.)
4. Look closely at the ends of the paper towels that are in the glasses with water. What do you notice?
5. Take a break! This experiment goes very slowly. Come back in 15 or 20 minutes. What do you see now?
6. Keep checking on your setup over the next couple of hours. What happens?
7. Let your test sit overnight and check on it the next day. What does it look like now?