

TAKE IT FURTHER

Materials

- 2 white coffee filters
- 2 cups
- 3 or 4 drops of green food coloring in a small cup
- 2 cotton swabs
- Water
- Salt water

Procedure

1. Use a pencil to mark the coffee filters W and SW, for water and salt water.
2. Dip your cotton swab into the food coloring and then use the swab to make a dark dot in the center of each coffee filter.
3. Dip one end of a clean cotton swab into the water and move it around a bit to be sure it gets wet. Place the wet end on the dot on the coffee filter labeled W as shown.
4. Use a different cotton swab and dip it into the salt water and move it around a bit to be sure it gets wet. Place the wet end on the dot on the coffee filter labeled SW as shown.
5. If it looks like the color is not spreading much, re-dip the cotton swab into the water and salt water and put the wet end on the color again.



7. After allowing the color to spread for a while, describe what the color looked like on each coffee filter.

With Water

With Salt Water

8. How do you think the salt in the salt water might be interacting with the molecules in the food coloring and the filter paper to affect the way the colors move?