

# Chromatography

## What You Need

coffee filter

scissors

markers in black and your choice of 2 or 3 other colours

2 clear glasses

water

tape

## What You Do

1. Cut the coffee filter into strips about 10 cm long by 2 to 3 cm wide.
2. Take the black marker and draw a horizontal line or a round dot about 1.5 cm up from one end of the filter strip.
3. Repeat with the other colours you chose.
4. Tape two filter strips onto one marker, as shown in the video.
5. Hold the marker with the strips next to the glass.
6. Fill the glass with water to where only the tips of the filter strips would be in the water.
7. Repeat with the second glass.
8. Place the marker on top of the glass so the filter strips are just touching the water. The dot or line should be above the water.
9. Leave the filter paper in the water and watch what happens.
10. The process should take from 3 to 5 minutes to complete.
11. Take the filter paper strips out of the water and set them on the counter or table. Observe the changes.