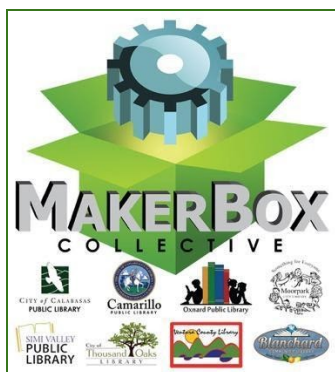


Colors of Markers

Hands on Science at Home Issue 1



MATERIALS

Markers with Different Colors (Black Marker is a must!), Paper Towel, Water Cup

STEPS

1. Cut the paper towel into about an inch strips.
2. Draw a thick line at the bottom of the strip, about 1 inch from the end. Use different colors for each strip.
3. Carefully place the paper strip into the water cup. The end with the color line should be slightly in the water.
4. Watch the colors move up the paper towel.

TAKEAWAY

Most nonpermanent markers use inks that are made of colored pigments and water. When you dip the paper into water, the dried pigments dissolve. As the water travels up the paper, it carries the pigments along with it.

The chemical technique used to separate dyes, pigments, or colored chemicals is known as **chromatography**.