

Color Magic

What Do I Need?

- Paper clips
- White paper coffee filter
- Black marker (not permanent)
- Water
- Pie pan



What Do I Do?

- Fold the coffee filter twice until it looks like a slice of pizza
- Draw a marker line about one inch from the bottom
- Put water in the pie pan
- Place the filter in the water so the liquid touches the bottom of the filter
- Watch the colors rise!

What's Going On?

A black marker is made of different colors of pigment. The pigments are carried as they are absorbed into the paper. The pigments travel at different rates. The way we see colors is because they absorb different colors of white light and reflect other colors. When colors are mixed, the additional colors will absorb more light. Black is seen when almost all of the light is absorbed and very little light is reflected.



