

Coffee Filter Art



Hey guys! Miss Leah here with another STEAM activity. This one is all about **solubility**. Basically, solubility is when a substance is able to mix into a liquid. We're going to test this out by making **coffee filter art**! This one is simple, you only need a few household items:



- Washable markers
- Coffee filters
- Cups with tap water

Note: this can also be done using permanent markers and rubbing alcohol (though right now, that can be a bit hard to come by!).

Let's get started:

Step 1



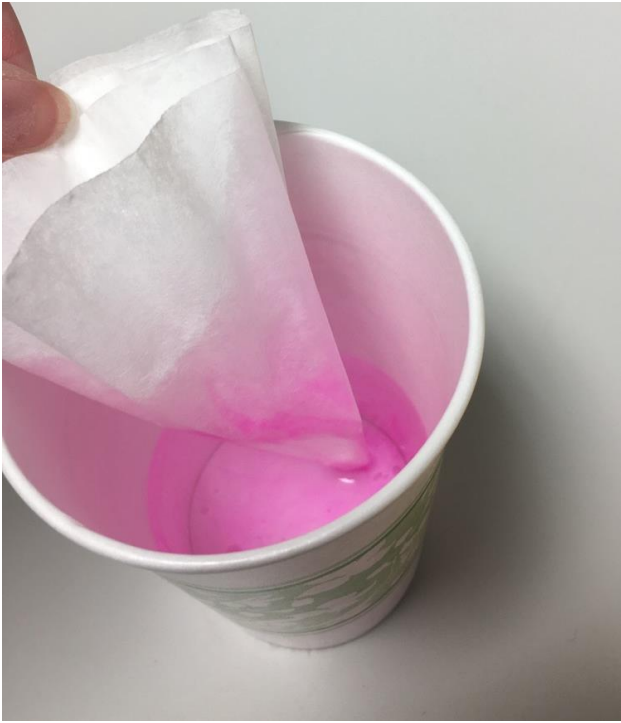
Lay the coffee filter out on a scrap piece of paper. Coffee filters are very thin, so this will help prevent messes. Using the marker, color around the circular part of the filter. You can also color around the rest of the filter- keep in mind that

the more you color, the darker your finished product will be.

Step 2



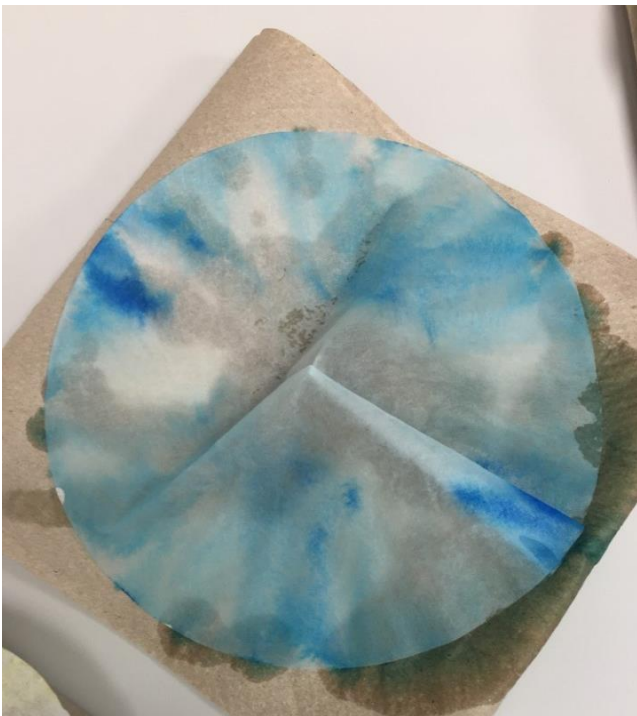
Next, fold the filter up three times and stick the tip in a cup with an inch or two of water. Wait about 10 minutes before removing the filter. Watch what happens!



The coffee filter will absorb the water, spreading the color around. Because the ink in the marker is soluble, it will dissolve in the water.

Note: Some of the color will leak out into the water.

Step 3



Carefully remove the filters from the water and lay them out to dry for about 15-20 minutes on some paper towels.

Step 4



Get creative here! There's so much you can create with colored coffee filters. I've provided some examples here, but there are no limits. You can make flowers, butterflies, planets, monsters... see what you can come up with.



To make a flower, simply scrunch up and twist the middle of the filter and layer them. Pipe cleaners make for great flower stems.



Here's a planet!



I hope you guys enjoy this project. Please continue to stay safe and healthy! If you make your own coffee filter art, be sure to post it in the comments on our Facebook page!



Miss Leah