



## Take & Make: Evaporation Art

Team up with the power of the sun to create some one-of-a-kind art pictures!

Check out other ideas at: <https://ppld.org/kids/create/whats-new>

The video instructions are available at: [tinyurl.com/PPLDVirtualSTEM](https://tinyurl.com/PPLDVirtualSTEM)

Materials Included: 4 washable markers

A pipette

A paintbrush

White paper

Materials You Provide: A few crayons of different colors

A small glass of water

A cookie sheet or other flat board or tray

Some scotch tape

### Directions:

Use some scotch tape to tape the corners of a piece of the white paper to a cookie tray or other flat board. This will help to keep your paper from blowing away.

Find a sunny spot in a window or a place outside to set your tray. It should be a spot where the sun will shine on your paper for several hours. Use the pipette to make a puddle of water in the middle of the paper. Make the puddle big enough so that the water almost reaches the sides of the paper. Use a crayon to draw around the shape of the puddle. Be careful to draw *around* the water, not through it.

Wait an hour or so and check on your puddle. Did the puddle shrink? Did it change shape? Use a different color crayon to draw around the puddle's new shape.

After another hour or so, check again. Each time you check, your puddle will be smaller and you will need to draw a new line with a different color crayon around the new shape. This process will take some time – at least a few hours - so you can do other things while you wait.

After your puddle is completely dry, you should see rings of different color crayon shapes on your paper. Use the markers to color in between the crayon shapes. You can do this any way you want. Then wet the paintbrush in your glass of water and brush over the marker colors you made on the paper to spread the colors. It will look like a watercolor painting! The water won't stick to the places where the crayon is, so you will still be able to see the original shapes.

You and the power of the sun have teamed up to make some beautiful Evaporation Art!

### Here's the science behind the project:

Evaporation happens when water, a liquid, turns into vapor, a gas, and rises up. You've seen what happens to a puddle after a rainstorm. Does the water stay there forever? No. The heat of the sun causes the water to turn into a vapor. It evaporates, and the puddle disappears.

The same thing happens in our project. The little puddle you create will evaporate and shrink when exposed to the heat of the sun until it is gone.