

# The Incredible Aquifer

We simply can't understand the workings of the Edwards Aquifer without understanding how the water cycle works first. This simple experiment demonstrates the main principles of the water cycle and can be watched for days or weeks. What is the habitat of your imagination creature?

## Supplies + Instructions

- Zip-top Plastic Bag
- Sharpie Marker
- Water (optional blue food coloring)

**Step 1:** Use the permanent marker to draw the following components on the outside of the plastic bag:

- Sun
- Water Line (think ocean or lake)
- Cloud



**Step 2:** Add  $\frac{1}{4}$  C water to the plastic bag (feel free to add 2-4 drops of blue food coloring or use a non-permanent blue marker to dye the water a slight blue color)

**Step 3:** Have an adult double check the seal of the zip-top bag and then hang in a bright, sunny window.

**Step 4:** Watch the water cycle in action, looking for these key steps:

**Evaporation:** does the liquid water turn into a vapor? How?

**Condensation:** Do you see the water vapor starting to turn back into a liquid?

**Precipitation:** What happens when the water vapors return to a liquid and get too heavy?

What changes as the environment of your window changes? Does weather outside change your experiment?

.....

Thanks to Playdough Potato for inspiration of this activity.

