



Evaporation Experiments!

Overview: Water moves around the world a lot, and is in almost everything! It's in lakes, rivers, and oceans--But it's also in the air! Did you know water was in clouds? When the sun heats up water, it *evaporates*, and rises into clouds. Then clouds create rain and the water falls back down to earth. It flows down back into rivers, lakes, and the ocean. And the whole journey repeats itself! Water completes this journey faster or slower based on lots of things--How hot it is, if it's in the shade, or if the air is wet or dry. We're going to see if water *evaporates* differently from different places near your house!

Evaporate: When liquid turns into a gas.

Experiment: Your job is to watch how much water *evaporates* over the week in four different places near your house. Each day, you will mark down how much water is left in each cup with a colored pencil. Based on what you know, what do you think the answer to the above question will be?

What do you need? 4 cups, water, colored pencils, pens, markers, etc., ruler

How to test it:

1. Fill four cups with an even amount of water. Label each cup 1-4.
2. Place one cup in the shade outside, one in the sun outside, one in a sunny spot inside, and one in a shady spot inside. (Make sure to keep away from pets who might drink the water!)
3. Each day, at the same time everyday, measure the level of water in each cup with a ruler. Record your results below.

Data:



Cup 1

Cup 2

Cup 3

Cup 4

Conclusion:

Now that you have a whole week worth of data, what do you notice?

Which cups have the least water?

Which ones lost water the fastest?

How do you think this sort of knowledge makes a difference in the world?