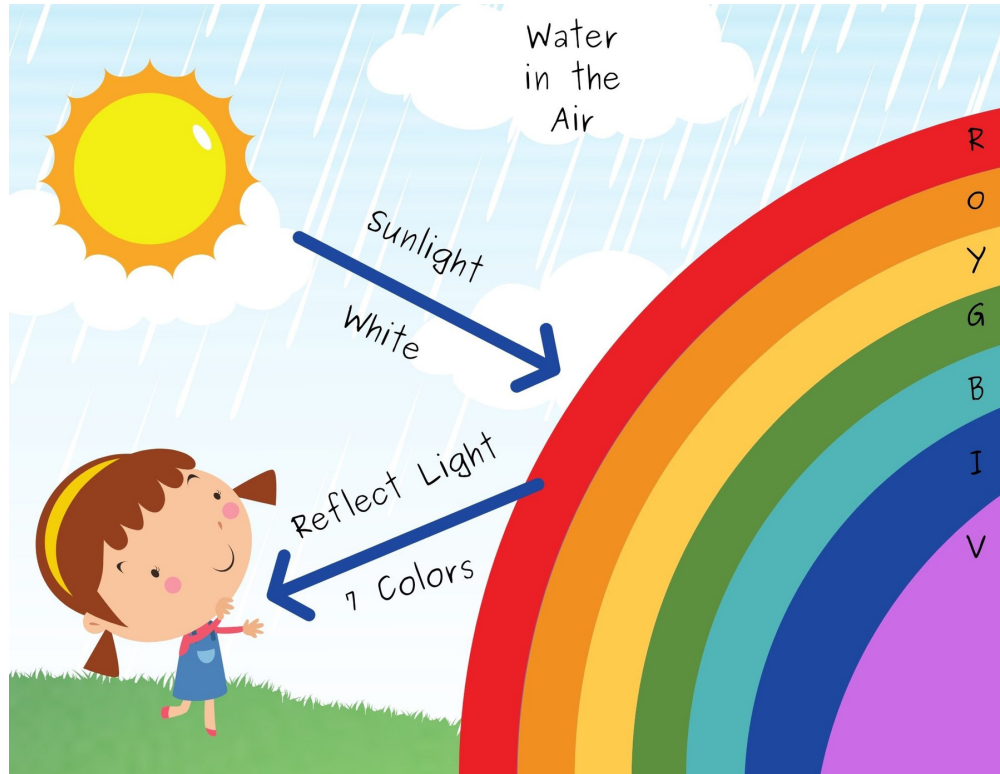


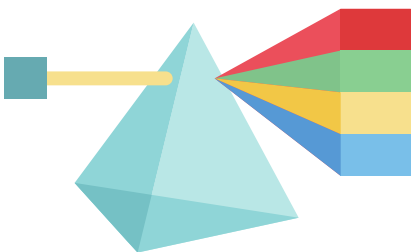
# Rainbows



# Rainbows



**The sun makes rainbows when white sunlight passes through rain drops. Raindrops act like tiny prisms. They refract (bend) the different colors in the white light, so the light spreads out into a band of colors that can be reflected back to you as a rainbow.**



**A prism is a piece of glass or other see-through material that has several flat sides, called faces.**

<https://www.weatherwizkids.com/>

# Rainbows

## Make a rainbow at home!

### Materials:

7 clear cups

red, yellow & blue food coloring

paper towels

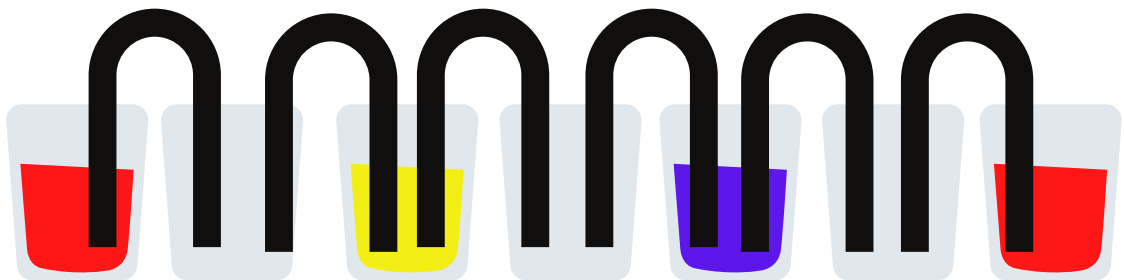
water

### Instructions:

1. Place 7 cups in a row and fill the 1st, 3rd, 5th, and 7th cup about 3/4 full of water .
2. Add 6 drops of red food coloring to the 1st and 7th cup. 6 drops of yellow food coloring to the 3rd cup and 6 drops of blue food coloring to the 5th cup.
3. Fold a paper towel long ways and drape between the 1st and 2nd cup. Make sure the ends are in the water. Continue doing the same thing between the other cups.
4. Observe what's happening.

The water moves up the paper towels through a process called capillary action. The paper towel works like a sponge absorbing the water up and into the other cups.

Predict what happens next!





# Colors

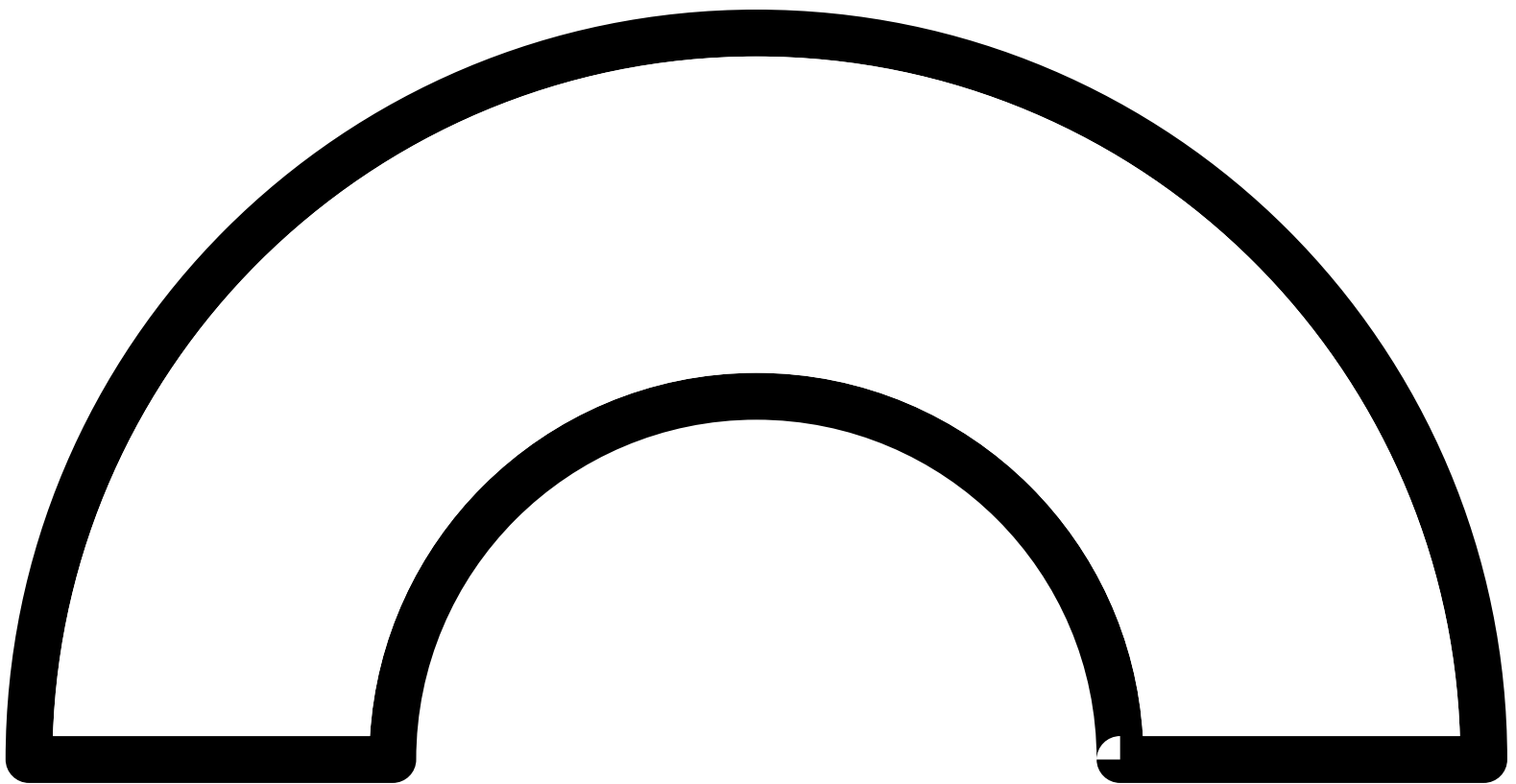
The seven colors of the rainbow are:

**Red, Orange, Yellow, Green, Blue, Indigo, Violet**

You can remember the order with the name Roy G. Biv.

**R. O. Y. G. B. I. V.**

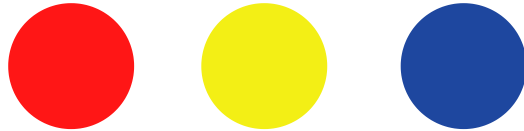
**Color in a rainbow!**





**Red, Blue, and Yellow** are Primary Colors.

**Primary colors cannot be made from other colors.**



**Green, Orange, and Purple** are Secondary Colors.

**Secondary colors can be made from mixing two primary colors.**



**By mixing colors you can make the colors of the rainbow!**

