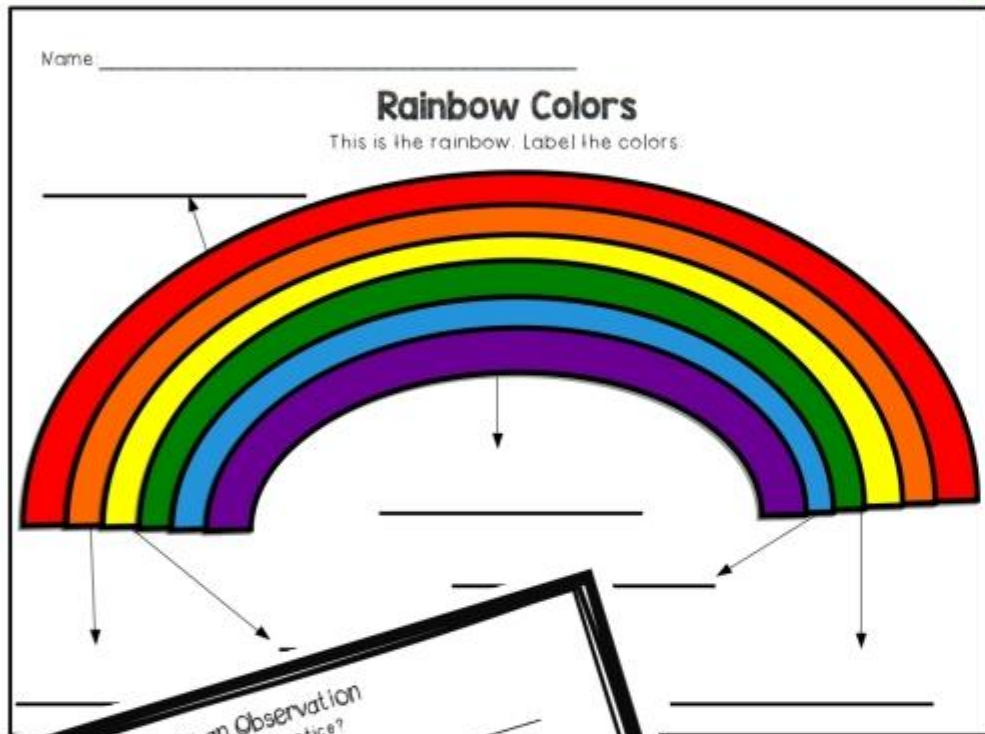


# Rainbow Science

## Explorations



**Make an Observation**  
What do you notice?

Date: \_\_\_\_\_ Time: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



2 Science Observation Explorations



# Rainbow Science

## Explorations

Date: \_\_\_\_\_ Time: \_\_\_\_\_

**Make an Observation**  
What do you notice?

**Make an Observation**  
What do you notice?

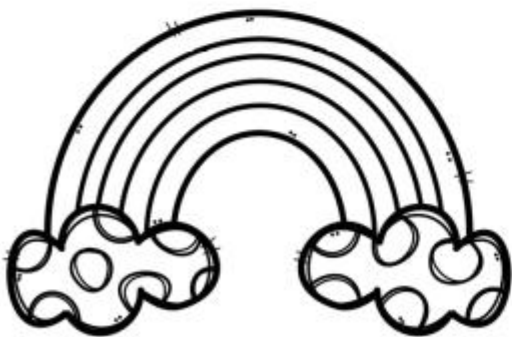
Date: \_\_\_\_\_ Time: \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

**Make a Prediction**  
What do you think will happen?

### Flower Fun Exploration!

Name: \_\_\_\_\_



### Fun Flower Exploration

We will do a science experiment.

**We will need:**

white carnation flowers  
Cups  
Water  
Liquid food coloring

1. Have a grown up cut the bottom end of the carnation diagonally.
2. Fill each cup halfway with water (use as many cups as color choices)
3. Put one cup aside with no food coloring.
4. Put 20-30 drops of food coloring in each remaining cup.
5. Place one flower in each cup.
5. Observe over time!

Carnations in Water Observations




# Rainbow Science

## Explorations

### Rainbow Science Journal

Name \_\_\_\_\_

Cup # \_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_

Predict

Mix \_\_\_\_\_ + \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Observe

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What do you notice about how the secondary colors are made and the rainbow?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What happens when you mix baking soda and vinegar?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Rainbow Science TEACHING NOTES

You'll need:

- 6 condiment cups per group (students can work in pairs, or groups up to 6 depending on how your students work best)
- Baking soda
- Food coloring
- Vinegar
- Cups
- Pipettes
- Tray

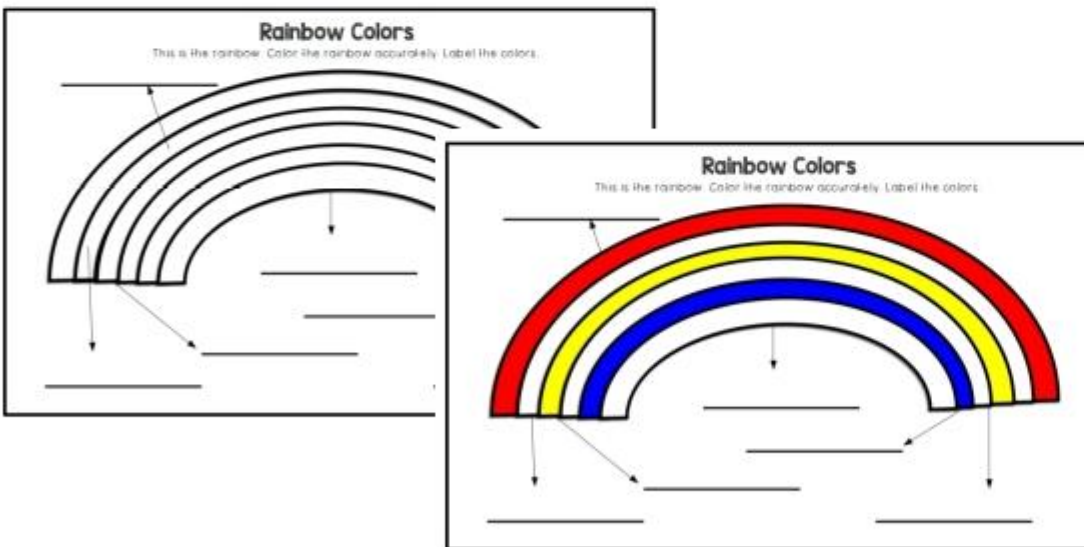
Before the students come in, put a little bit of baking soda in the bottom of each cup. Add a couple drops of food color and then sprinkle some baking soda on top to hide the colors. Number the cups with red being #1 straight through the rainbow colors to #6 being purple. If you want to prepare the secondary cups for students, you can do this by adding a drop of each of the primary colors that mixes to make the secondary color. Then prepare cups on vinegar (one per every couple students). You'll also want to have printed the version of the journal that reflect the activity you'd like to do.

Here are the 2 choices.

Choice 1: print the first version of the journal. In this version students will be making observations. Have them write the number of the cup, drop the vinegar into the baking soda cup (tell them not to touch the dropper to the baking soda). It will fizz up and the color will appear! Have them draw and write about their observations. You can also include the question about vinegar and baking soda as well as the half page rainbow color guide.

Choice 2: Prepare the food colors in the primary color cups. Then have students see what happens and make observations as the vinegar is dripped in. There is a rainbow picture included which is missing just the secondary colors. If you can print in color, it's worth printing this, or adding it to the journal. If not, you can omit it or include the completely blank rainbow.

After students have observed the three primary colors, they decide how they think they can make the secondary colors. Have an adult help students to put a drop of each of the colors they are predicting will make a secondary color into the cup. Have them fill in the prediction side of the page. After they add the vinegar have them fill in the observation side. There is an additional question page about secondary colors that you can provide as a part of the journal or print like an exit ticket.



Carnations in Water Observations



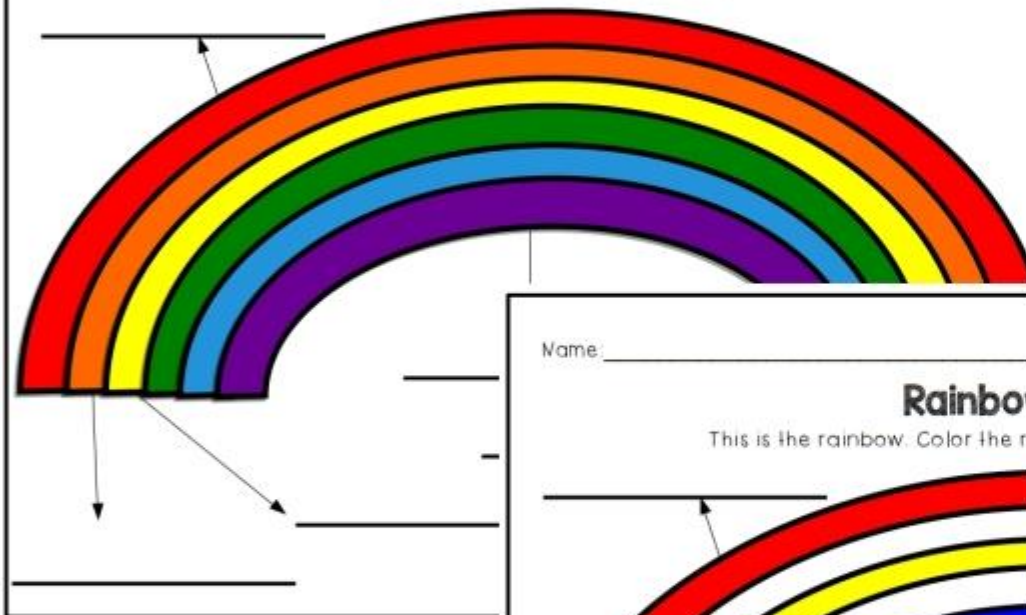
# Rainbow Science

## Explorations

Name: \_\_\_\_\_

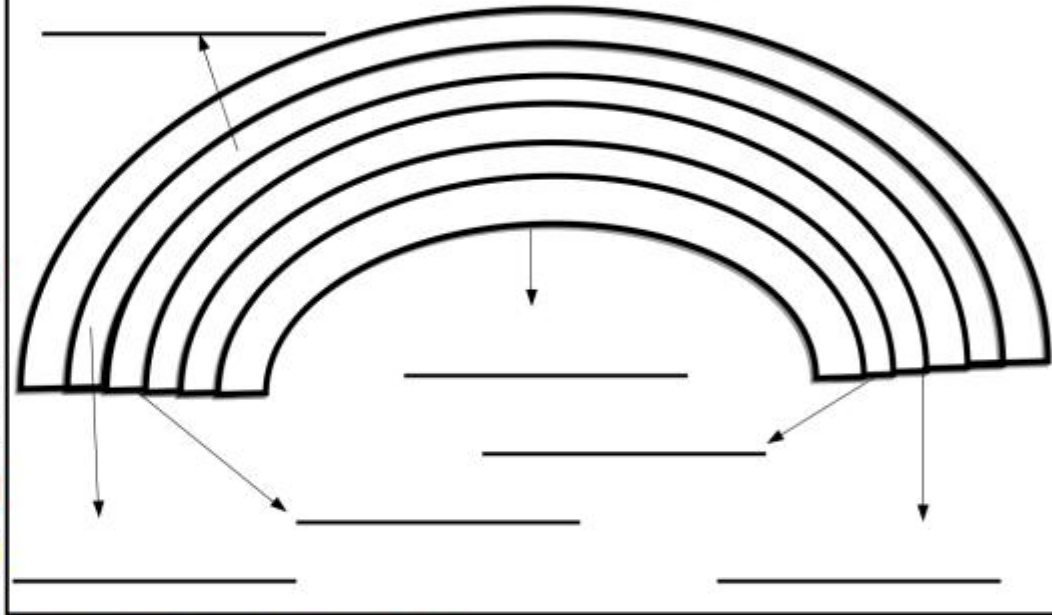
### Rainbow Colors

This is the rainbow. Label the colors.



### Rainbow Colors

This is the rainbow. Color the rainbow accurately. Label the colors.



Name: \_\_\_\_\_

### Rainbow

This is the rainbow. Color the r

