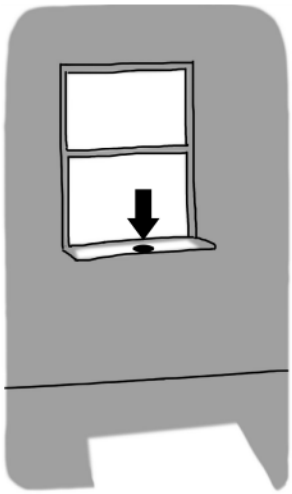
Chasing Rainbows

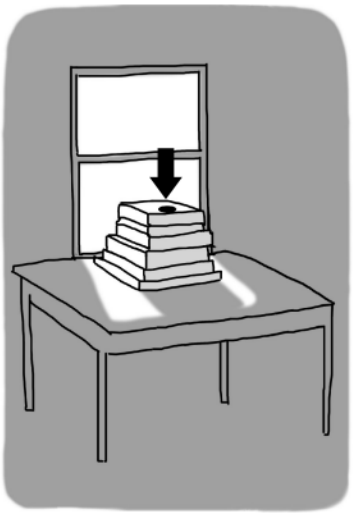
Getting Ready

Do this page first.

1. Your teacher has a sunny place picked out for you to put your cup, like on a windowsill or on a stack of books by a window. Put the cup where you see the arrow in these drawings.



or



2. Can you find the shadow of your cup? If you don't see the cup's shadow, move the cup until you do.

3. Your teacher will add water to the cup. As the cup fills, everyone watch for wiggling lines of light and put your white paper where those lines are.

4. If no one saw any wiggling lines, stir the water with your finger and keep looking. You'll find them!

5. Go on to page 2.

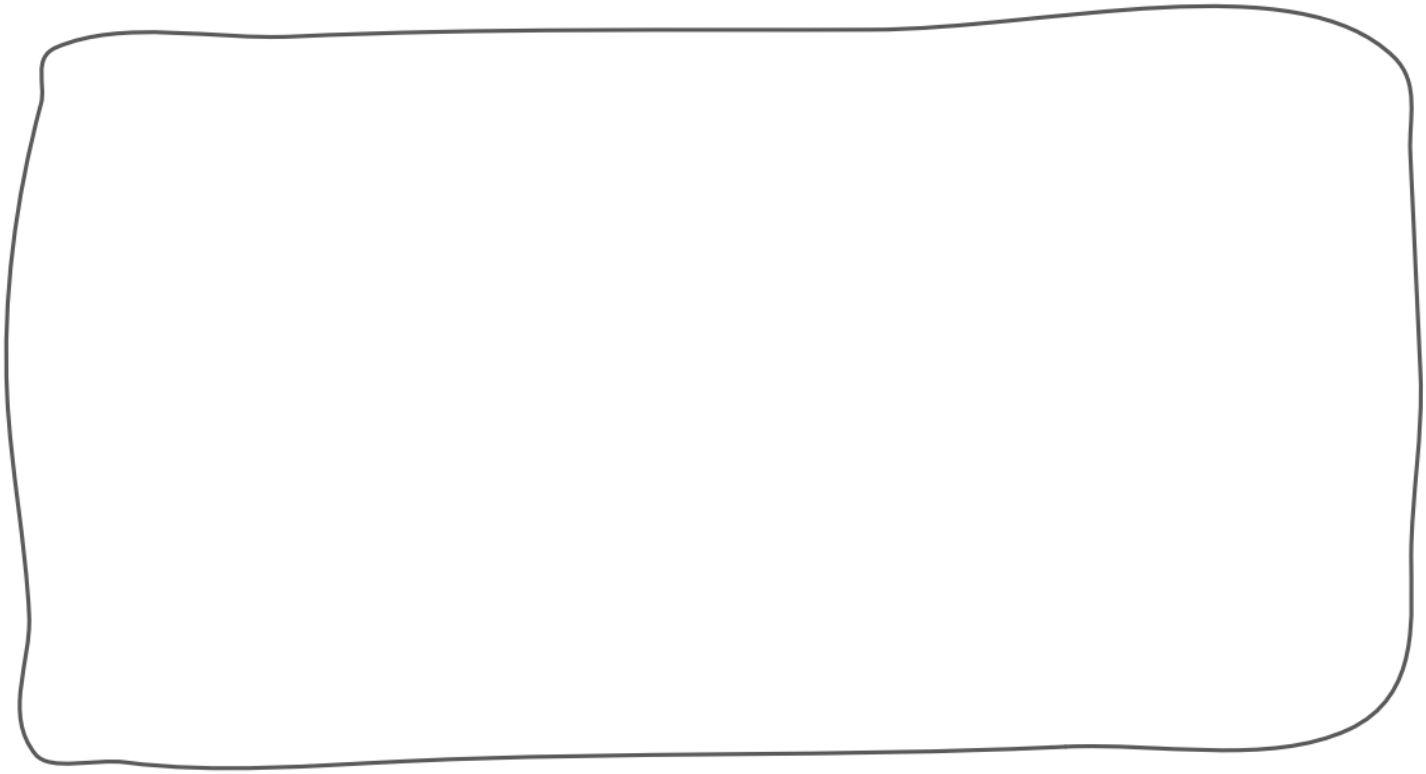
Chasing Rainbows: What Do You See?

Name: _____

Set up your experiment and then do this page.

6. Talk with your group about what you see on your paper when the water in the cup stops moving.

7. Try these experiments:

- Can you catch the rainbow colors on your card?
- Without touching the cup, can you make the colors disappear?
- Can you make the colors brighter? (Hint: colors made of light are brightest when they are in a shadow.)

8. Draw a picture of what you see on the paper. Use your colored pencils or crayons. If you need more space, use the back of this page. Label the colors you see.