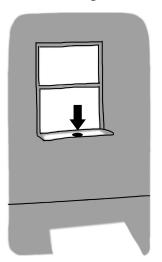


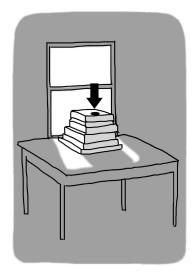
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Chasing Rainbows

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. Look at the floor. Can you see 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 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. Wait until the water in the cup is completely still and see what happens to those lines. Talk with your group about what you see.
- 6. Here are some experiments to try:
 - 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.)
- 7. Talk with your group about what you think is making the rainbow.
- 8. On the back of this page, draw a picture to explain where the colors are coming from. Use your colored pencils or crayons.