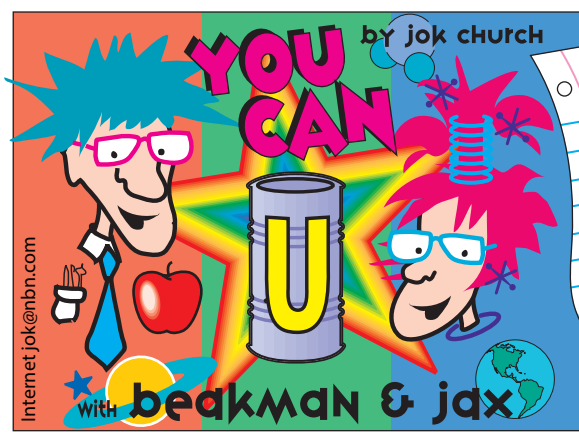




Black
 1-12-97 You Can CMYK
 Universal Press Syndicate

EMBARGOED
 Until Release Date



Dear Beakman,
 Are black or white
 colors? I'm confused.
 Rita Salpietro
 Millville,
 New Jersey

Beakman or Jax
 P.O. Box 30177
 Kansas City, MO 64112
 Questions, name & address

experiment #1

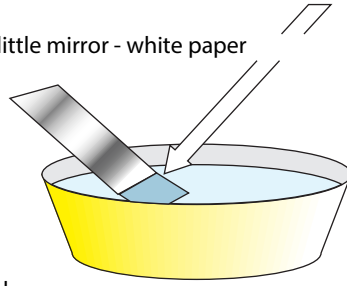
WHAT YOU NEED: Sunshine - small tub of water - little mirror - white paper

WHAT TO DO:

Place the mirror at the tub's edge like in the drawing. The water must be very calm. Let the sunshine hit the part of the mirror that's under water. Hold up a piece of paper to catch the light bouncing off the mirror.

SO WHAT:

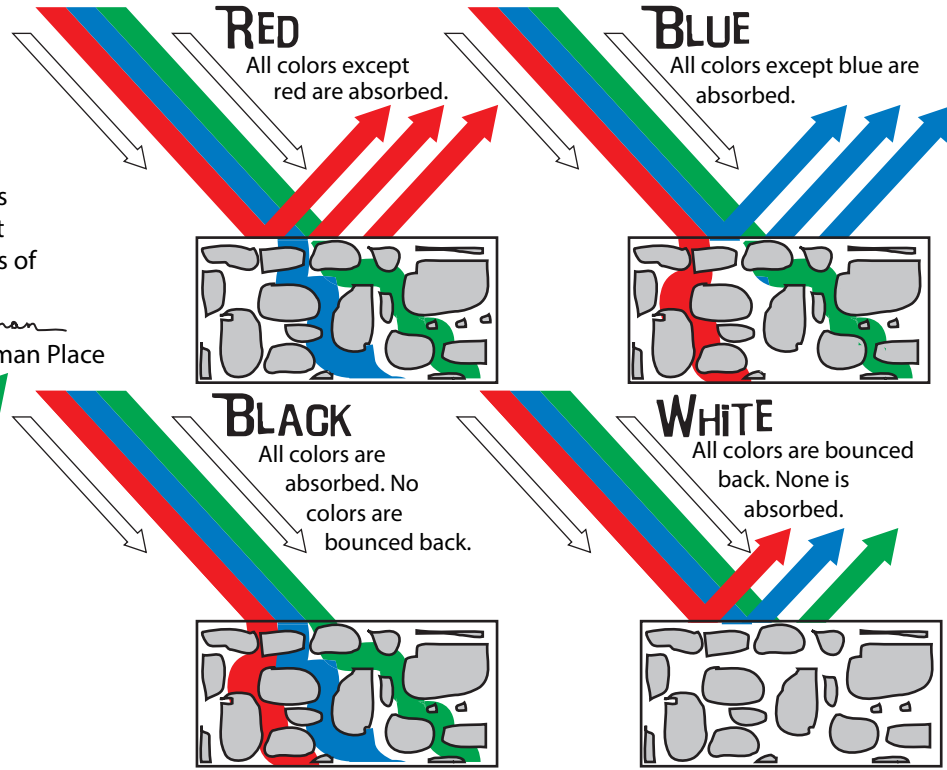
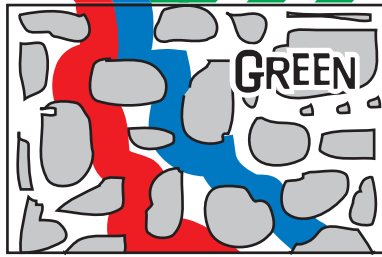
You'll get a rainbow on the paper. The water acted like a prism and took the white light apart into all its colors.



Dear Rita,
 We don't see things. We see the light that bounces off things into our eyes. It's the same with colors. All colors together make white and white sunlight. We only see the colors that something bounces back at us. The other colors are absorbed. Black is when all colors of light are absorbed. White is when all colors of light are bounced back.

Beakman
 Beakman Place

- 1 - All colors hit a leaf.
- 2 - A green leaf absorbs every color except green.
- 3 - Green is reflected. That is what we see.



P.S. from Jax: Deep Thought for the Day: Without light there are no colors at all. In the dark nothing has a color because no light can be bounced back. Wow.



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 Color separations by Koessler Graphics, West Seneca, NY

