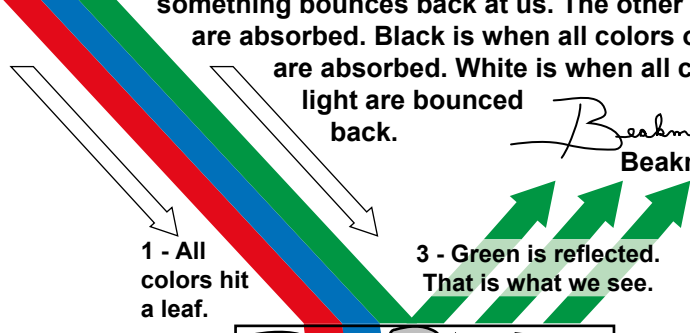


Dear Beakman,
 Are black or white
 colors? I'm confused.
 Rita Salpietro
 Millville, New Jersey

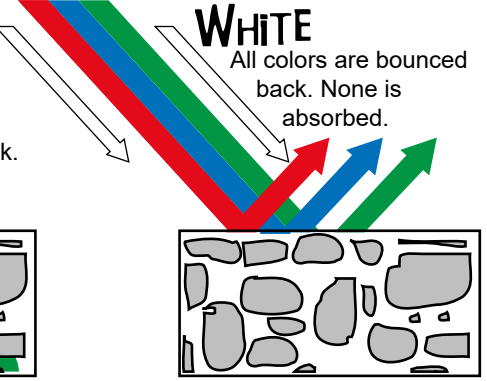
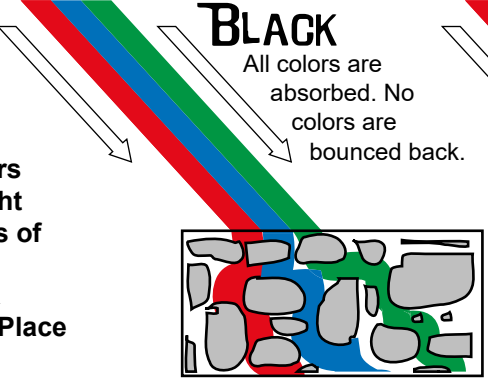
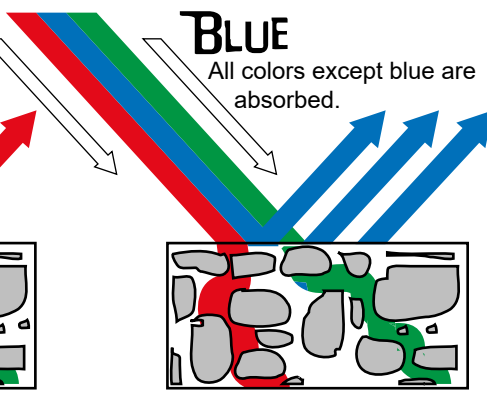
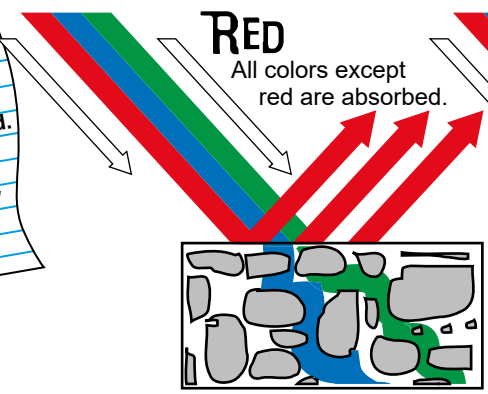
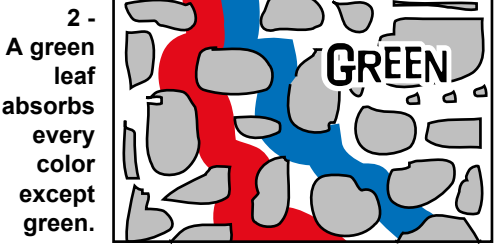
Beakman or Jax
 P.O. Box 30177
 Kansas City, MO 64112

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.



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.

