



WHAT TO DO: Use either of the drawings as a guide and make your own rainbow. If you use the water method, be sure to let the water get very still and to tilt the mirror slowly until you see colors.

WHAT IS GOING ON: What looks like white light is really all colors of light mixed together. We see colors because colored light bounces off things. When we see something, we do not see the thing. We see light bouncing off the thing!

Dear Melanie. Back in olden times in the 1960s, earthtones were hot. Now the hot colors are black, green and purple. Black is hot because it can make you look artistic and all groovy, especially black turtlenecks. But I think you might be asking about another kind of hot — the temperature kind of hot.

ax lace

Wall

Jax Place

Black things get hotter in sunlight because all colors turn into heat. Black gets hotter because it absorbs

Water

the most colors.

Mirror

If something is yellow, it absorbs all colors of light except for yellow. It reflects, or bounces back, yellow light. If something is white. it absorbs no

Sunlight in

Reflected light

bouncing back

colors of light. It reflects, or bounces back, all the colors of light.

If something is blue, it absorbs all colors of light except for blue. It reflects, or bounces back, blue light.

Since all colors are reflected, no colors are absorbed and no heat is produced.

No colors are reflected. All colors are absorbed and converted into heat.

If something is black, it absorbs all colors of light. It reflects, or bounces, no colors. All the absorbed

NBlaerka



If something is red, it absorbs all colors of light except for red. It reflects, or bounces











