

## USING FILTERS

**KEY CONCEPT:** A filter removes some of the wavelengths of light reflected from a scene by absorbing those light rays.

On p. 248 of the black book there is a color wheel showing the primary colors of light. using markers, colored pencils or crayon, draw in and label the color circle below:

### **Black book, p. 104 — Using Filters with Black and White Photography:**

**Colored Filters**—A colored filter absorbs its complementary color, the one opposite it on the color wheel.

If you want to make red apples appear darker, what color filter should you use?

If you want yellow bananas to appear darker, what color filter should you use?

One of the most common uses for a filter in black-and-white photography is to darken a blue sky. Colored filters work for this purpose only when the sky is actually blue. They will not darken an overcast or hazy sky.

How will a yellow filter change a blue sky?  
What colors does the yellow filter absorb/block?

How will a red filter change a blue sky?  
What colors does the red filter absorb/block?

How does a polarizing filter work? How can a polarizing filter improve a scene that has a window or glass in it?

What is the difference between a gelatin filter and a glass filter in terms of cost,

durability and photo quality?

**Black book, p. 226 — Using Filters with Color Photography**

If you are using regular daylight film and move indoors, name two things you can do to improve the color quality in your photograph.

a.

b.

If you are using regular daylight film under fluorescent lights, name two things you can do to improve the color quality in your photograph.

a.

b.

**Grey book, p. 198 — Using Specialty Filters**

What does a neutral density filter allow you to do? In what type of circumstances is a neutral density filter helpful?

In general, what do diffusion filters do? When would you want to use one?

What does a star filter do? When is it most effective?

What does a multiple image filter do? In what type of photograph might you want to use one?

What does a vignetting filter look like? What is the effect?