

Light and Color

We will learn about how light splits into colors and how looking at the world through a color filter changes what you see. Watch the Family Friday video June 5 for instructions.

Materials

- 1 Water bottle
- White piece of paper (Standard copy paper works best)
- 1 Flashlight
- A mirror

Vocabulary words:

Light: (*Noun*) something that makes vision possible.

Pupil: (*Noun*) the usually round opening in the iris that contracts and expands to control the amount of light entering the eye.

Iris: (*Noun*) the colored part around the pupil of the eye that changes in size to control the amount of light entering the pupil.

Transparent: (*Adjective*) transmitting light so that objects lying beyond are entirely visible.

Translucent: (*Adjective*) clear enough to allow light to pass through.

Opaque: (*Adjective*) Not letting light through: not transparent.

Shadow: (*Noun*) Shade within certain bounds.

Prism: (*Noun*) a transparent object that usually has three sides and bends light so that it breaks up into rainbow colors.