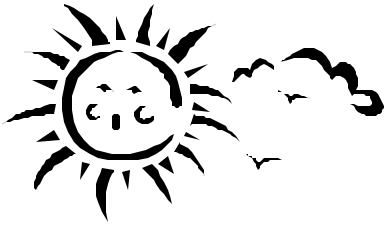


Let's look at LIGHT

name _____



Sunlight appears white (or colorless), but actually it is made up of many colors.

Color all the colors that make up white light. This rainbow of colors is called the **spectrum**.

A funny name to help you remember the colors in order: **ROY G. BIV**

A prism refracts (bends) light into different colors because they all have different wavelengths. For this reason, different colors refract at different angles.

Red light has the longest wavelength

Violet light has the shortest wavelength

There are colors we humans can't see, from infrared (longer than red) to ultraviolet (shorter than violet). Some animals see differently than humans; for example, some insects can see ultraviolet patterns on flowers!



Light is made up of both waves and particles

The particles are called photons. They are units of light energy.

Some people sneeze when they step out of a building into bright sunlight. Why?

What makes a rainbow in the sky?