

What Is Light?

Name: _____

Directions: In class you performed an experiment with your teacher that helped you find a rainbow. Record what you saw in the data table below.

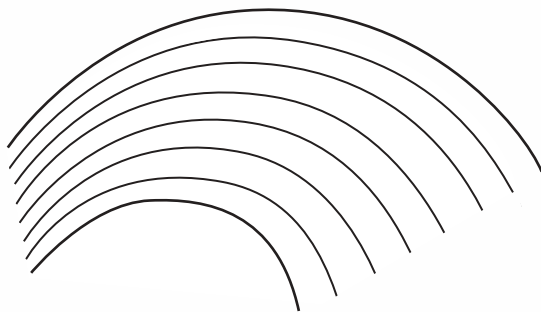
1 Record three observations:

Now, answer these questions.

2 What did the water do to the light?

3 What did the mirror do to the light?

4 The rainbow you saw is called a spectrum. Using colored pencils or markers, color and label the bands in the rainbow below in the order in which you saw the colors.



5 Where else have you seen a spectrum?

Spectrum of words

light: energy that travels through space at high speed in waves and can be seen by the human eye

transparent: see-through

reflection: rays of light that bounce off an object

refraction: bending rays of light

dispersion: separation of light

spectrum: the rainbow of colors in white light

visible light: light you can see

wavelength: the distance between one peak of a wave of light and the next peak