

## Chapter8: lesson 2 Light Page 448

### Lesson 5: Why do we see colors?

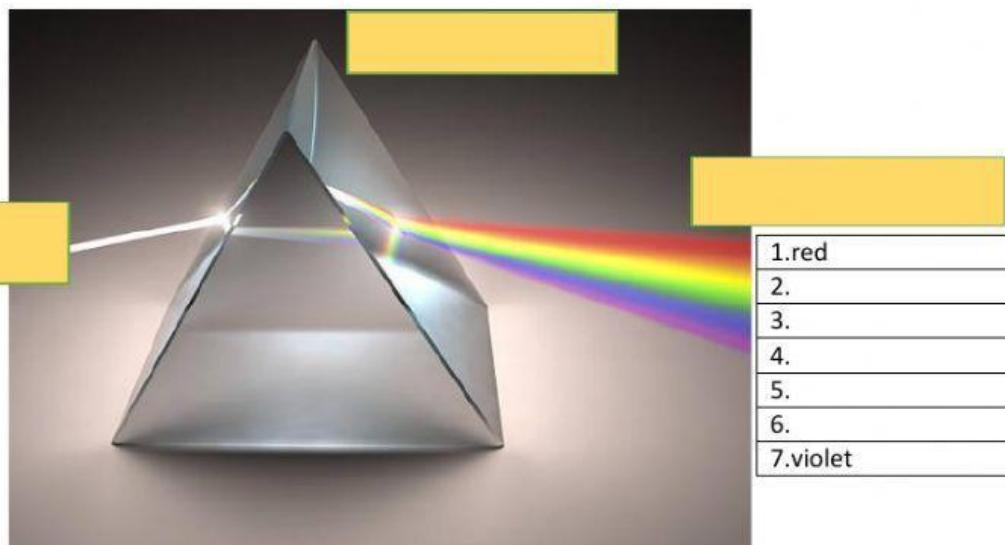
1. Label the diagram using the words below:

Ray of white light

Prism

A spectrum

2. Colour in the spectrum **remember** red light bends the least, violet bends the most. Write down the names of the colours next to the spectrum.



1.red
2.
3.
4.
5.
6.
7.violet

### 3. Match

White light
prism
spectrum
Visible light

Band of color in a rainbow
The light that our eyes see
Is a cut piece of clear glass or plastic in the form of triangle
Is a collection of many different wavelengths mixed together (sunlight)

► Visible light waves with longer wavelength look \_\_\_\_\_  
► Visible light waves with shorter wavelength look \_\_\_\_\_

✓ Why white light that is refracted by raindrops in the sky is spread out into a rainbow?

Because the colors are already in the sunlight that produces the rainbow.

