

Show your parents  
Chapter 5.

# Rainbows



[Public domain: Tumblr. Many thanks.]



[Clean Public Domain. Many thanks.]



[ABSFreePic.com. Many thanks.]

Rainbows. It is hard to believe they exist, until you see one.

These pictures are very beautiful. But it is sometimes hard to see all the separate colours – so, let's look at a drawing.

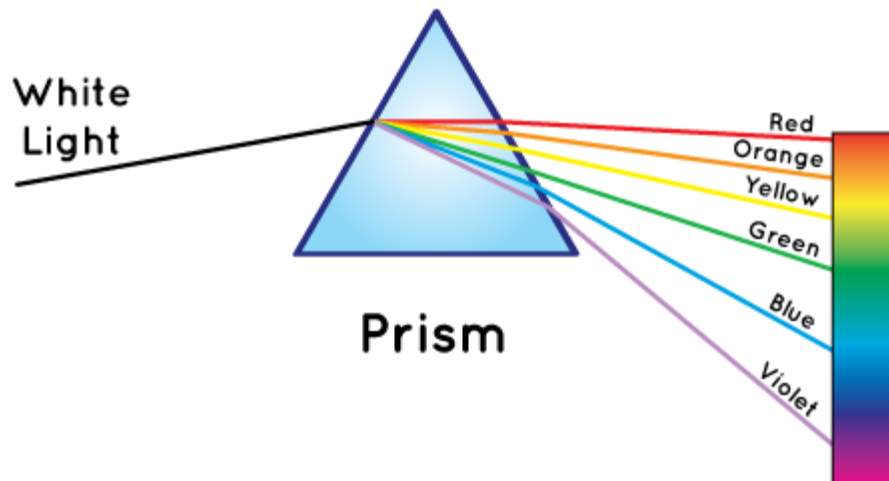


[Clean Public Domain. Many thanks.]

Rainbows are made up of 6 different colours

1. Red
2. Orange
3. Yellow
4. Green
5. Blue
6. Indigo/violet

Show your parents  
Chapter 5.



[Source: NASA Science  
Image: Courtesy NASA/JPL-Caltech.]

Normal light which is there during ‘daylight’ is called white [we don’t really notice it]. But, it is made up of 6 different coloured lights. [Some people think there are 7]

Anyway, when white light gets bent, you can see the different coloured lights which make it up.

The best way to see this happen is to shine a white light on a triangle of glass, which is called a prism.

If the light hits the glass at an angle the light is bent. When it gets to the other side, it gets bent again. This makes the different coloured lights fan out, and you can see them.



[Free Raindrops Clipart. Many thanks.]

Show your parents  
Chapter 5.

Raindrops or other moisture in the air is like millions of tiny prisms. When white light goes through them it is bent and the colours of the rainbow come out. Pretty cool!

**Q: What vegetables do librarians like?**

**A: Quiet peas.**