

Send Once Completed

Learning Intentions

By the end of this lesson I will be able to:

- ★ State what makes up visible light,
- ★ Name an experiment that can be used to see this and give an example of this process occurring in nature.
- ★ To state what the electromagnetic spectrum is and give examples of uses of various parts.
- ★ Draw an electromagnetic spectrum to show where visible light fits.

Task 1:

Look at the slide showing the picture. Make notes below on the following questions:

- What do you see in the picture?

- What do you think in the picture is relevant to light?

- What questions do you have?

Task 2:

Why do you think we see a rainbow?

We actually see rainbows because:

_____ from the sun is _____

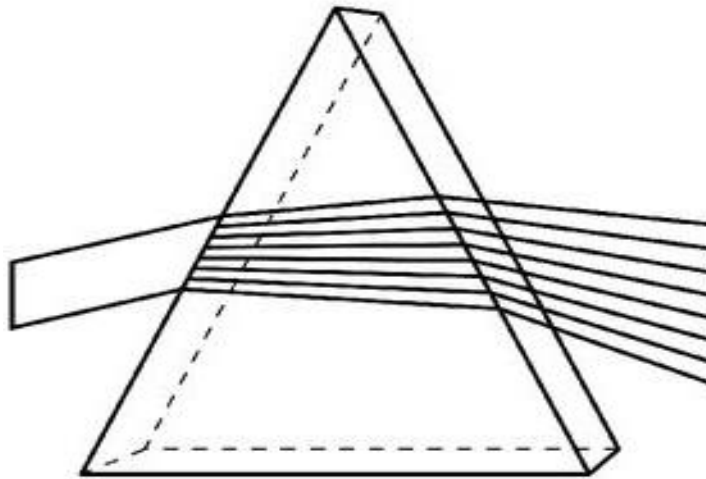
through the rain droplets falling from the sky.

This can be done in an experiment using a _____.

Task 3

White light can be _____ using _____ into the colours that it is made up from.

Label and colour the diagram below to show the colours white light is made up from.



The colours of the visible light spectrum are:

- R _____
- O _____
- Y _____
- G _____
- B _____
- I _____
- V _____

Task 4

Light Travels in _____.

The length of one complete wave is called the _____.

The number of waves per second is called the _____.