

COLOURS

WITH THE NAME OF ALLAH, MOST GRACIOUS, MOST MERCIFUL.

The different colours that we see are parts of white light.

White light is energy which comes from many different sources --- the sun, a torch bulb and a match.

As light travels towards us, it makes patterns that scientists can measure. These patterns are measured as waves.

Different coloured light gives different shaped waves and scientists can measure the distance between one wave and the next. This is called a wavelength.

Each different colour light has its own wavelength.
Red light has the longest wavelength and violet has the shortest wavelength.

The number of light waves that pass each second can also be measured and this is called 'the frequency of the wave'.

Different colours have different frequencies.
Blue light has a higher frequency than red light.

Worksheet

1) Which colour has the shortest wavelength?

2) Which colour has a higher frequency --- red or blue?

3) Who is responsible for the different colours that we see?
