

Sun and Suncare

Name.....

Class.....

ACTIVITY 1 Invisible waves

Light travels as waves. Different colours of light have different wavelengths.

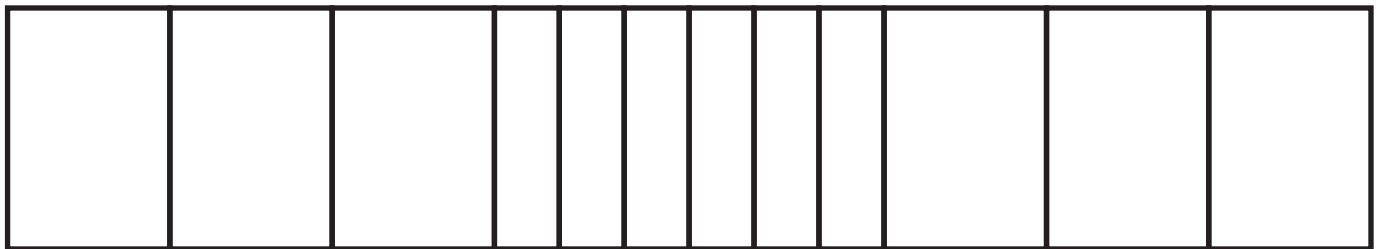
Look at the two diagrams of waves. Now complete the sentence below.



1. Infrared waves have a _____ wavelength than ultraviolet waves.

White light is a mixture of many different colours. Different colours have different wavelengths and they form part of the visible spectrum.

2. Use the diagram below to colour in the visible spectrum in the central sections.



Infrared waves and ultraviolet waves are forms of radiation. They occur outside the visible spectrum.



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3. Add infrared and ultraviolet radiation to the above diagram.

There are waves with longer wavelengths than infrared waves.

There are also waves with shorter wavelengths than ultraviolet waves.

All of these are parts of a bigger spectrum called the ELECTROMAGNETIC SPECTRUM.

The Sun sends out lots of ultraviolet radiation. There are two types of ultraviolet radiation, UV-A and UV-B.

4. Write down two reasons why people might want to let ultraviolet rays onto their skin.

i) _____

ii) _____

5. Write down two ways in which ultraviolet radiation can harm your body.

i) _____

ii) _____

