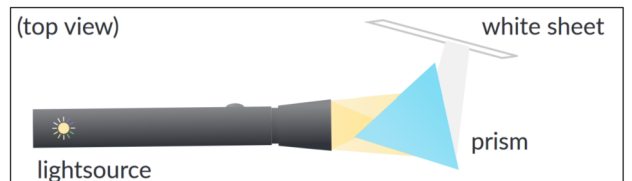


Colour is (not) a characteristic material property
Introduction: Colour – a form of energy

Introductory experiment:

Observe four different beams of light after they have passed a prism: a) a beam from sun light, b) a light beam from a torch with a typical light bulb, c) a light beam from a torch with a green LED (light emitting diode), and d) a light beam from a UV-LED torch.



Write down your **observations** here:

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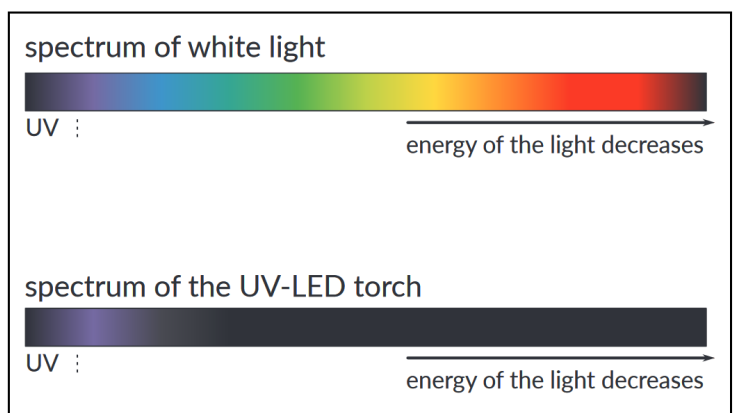
.....

A1 Gap-filling activity

Fill in the gaps with the following words:

colours, form of energy, green (2x), higher, lower, perceive(s), prism, rainbow, red, spectral colour(s), spectrum, UV-LED torch, violet, white light.

_____ can be split with a
 _____ into all _____
 of the _____. The diagram on
 the right shows which _____
 white light consists of. Accordingly, when
 all colours of light are mixed, the human
 eye _____ white. Light is a
 _____.



Violet light is _____ in energy than _____ light and _____ light. Red light is
 _____ in energy than _____ light. The _____ radiates light whose
 _____ lacks all colours except _____ (cf. the diagram on the right).