

Light (properties)

STUDENT BOOK pp. 35, 106

1. Match each example with a property of light.

Example	Property of light
a) Light rays that illuminate a book cannot pass through the book.	1. Light is a unique wave because it is visible to the eye.
b) A flashlight is used for illumination at night.	2. Light rays can be emitted by a natural source such as the Sun or by an artificial source such as a light bulb.
c) A prism can break down white light into multicoloured light.	3. Sunlight transports energy.
d) Snow melts in the Sun.	4. Light travels at a speed of 300 000 km/s.
e) It is preferable to wear light coloured clothing in summer.	5. Light propagates in a straight line. It cannot go around an object.
f) The perception of light seems instantaneous to us.	6. Light can be absorbed or reflected by objects.
g) We are able to see thanks to light rays.	7. White light is made up of all the colours.

2. Place the following elements in their proper place in the table below.

Sun	Star	Mirror
Flashlight	Gemstone	TV set
Incandescent light bulb	Forest fire	Moon

Natural source	Artificial source	Reflecting body

3. Give at least three reasons why sunlight is essential to life.
