



How and why do mirrors help us in everyday life? How do submarines spy on people?

Word	Definition
sun	The source of light on earth
light	A form of energy that travels from a source
Reflection	Light bounces off a surface changing the direction of the light ray.
Shadow formation	A shadow is formed when an object blocks light
orbit	To travel around in a spherical motion
periscope	A device which uses mirrors to help see objects that are out of sight
Travels	To move from an object
Straight line	Light always travels in a straight line
rainbow	When light is separated into its different colours

Key Knowledge and Concepts

There are different sources of light. Darkness is the absence of light

Shadows are formed when an opaque object blocks the sun's light

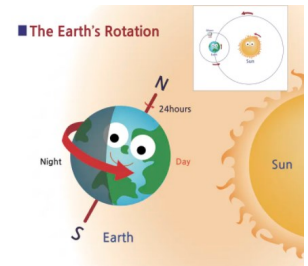
Shadows are always the same shape as the object.

Shadows change during the day as the earth spins



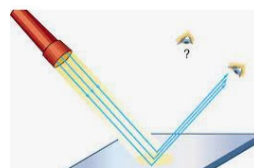
The earth orbits the sun so day and night are formed.

The sun does not move—even though it appears to



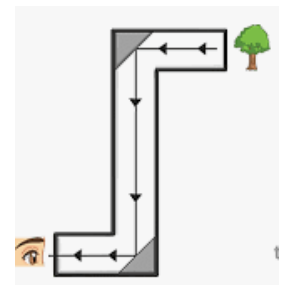
light travels in straight lines—

we see things – light travels from source to object to eye



Mirrors can be used to see images eg rear view and wing on cars / periscopes.

There are many different phenomena caused by light



Eg—Rainbows and colours in soap bubbles

