

Science Knowledge Organiser: Street light

Subject Specific Vocabulary

Light source	An object that produces its own light (e.g. sun, fire).
Natural light source	A light source that creates its own light naturally such as the sun, fire or a firefly.
Man-made (artificial) light source	A light source that is created by humans and usually needs an energy source like electricity or a battery to create light (e.g. TV, lamp).
Reflect	When light hits a surface and 'bounces' off.
Shadow	A dark area or shape on a surface caused by light being blocked
Opaque	An object which does not allow light to pass through it (e.g. wood).
Translucent	An object which allows some light to pass through it. It may be possible to see some unclear images through the object (e.g. tissue paper).
Transparent	An object which allows most light to pass through it. It is possible to see a clear image through the object (e.g. glass window).

Sticky knowledge

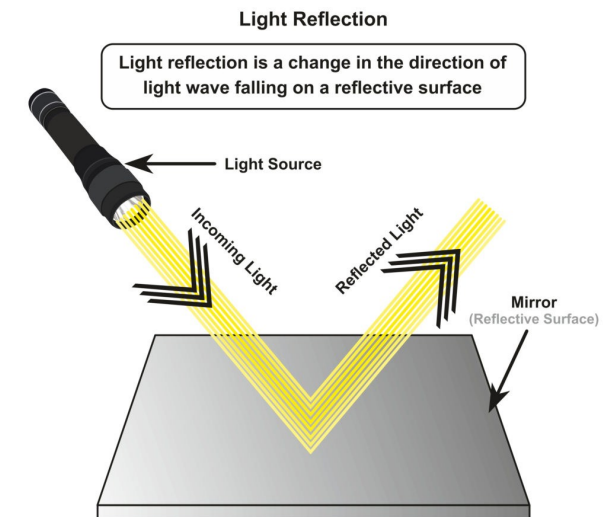
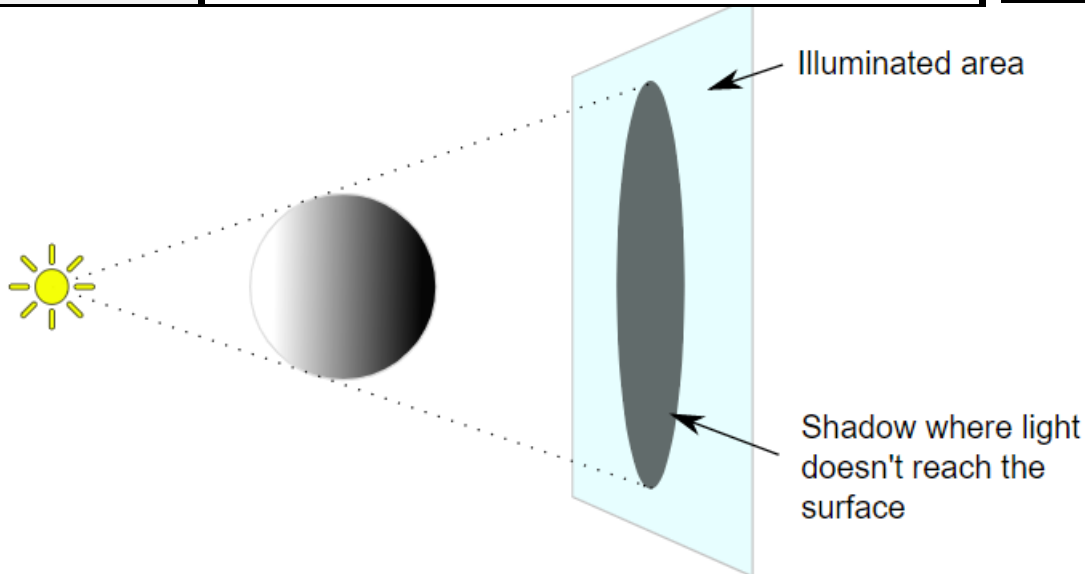
We need light to be able to see things.

Shadows are formed when an object blocks the light before it reaches a surface.

The size and shape of a shadow can change if the light source is closer or further away from the object or if the angle between the light rays and the object changes .

Darkness is caused by the absence of light (no light).

The moon is **not** a light source. It reflects the light of the sun – it **does not** make its own light.



* The reflective surface is smooth and shiny such as glass and mirror