

Light

Key Vocabulary

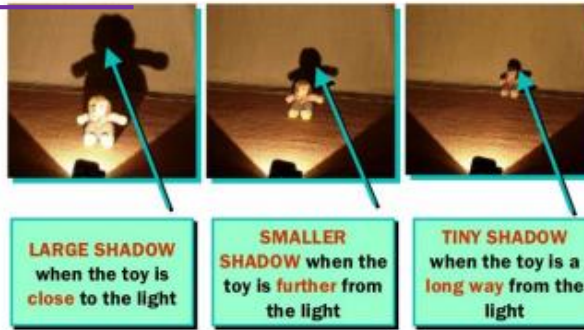
Light source	Where light comes from. E.g. natural sources of light include the sun, stars and fire.
Dark	The absence of light
Transparent	Light completely passes through it and you can see clearly through it
Translucent	The material will allow light to pass through it but objects on the other side will not be clearly seen
Opaque	Cannot be seen through and does not allow light to pass through it.
Shiny	Bright or glossy in appearance
Matt	A smooth even surface free from shine or highlights
Shadow	A dark shape made when something blocks light
Mirror	Any glass or other smooth, polished surface that forms an image by reflection
Reflect	The return of light or sound waves from a surface

Light and Sight

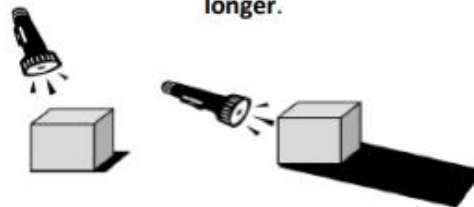
People see an object either because it gives off light or because the object reflects light.

E.g. people see the sun because it gives off its own light. However, people see the Moon only because it reflects light from the Sun.

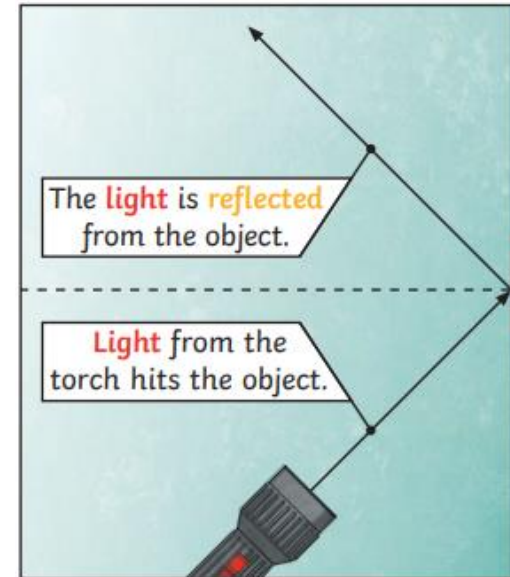
Shadows



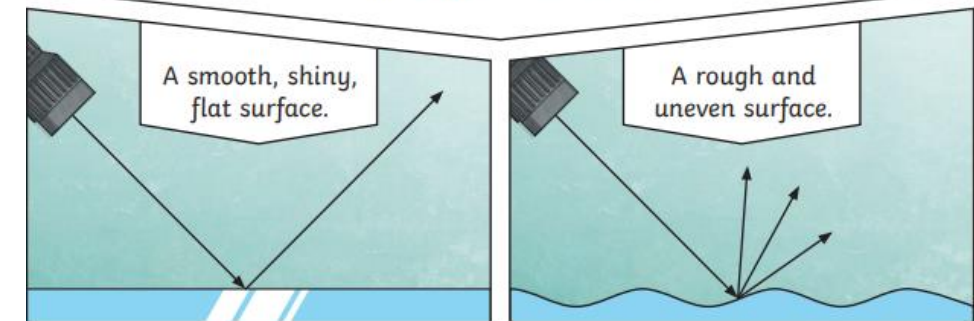
As the **light source** moves **higher** in relation to the **object**, the **shadow** gets **shorter**. As the **light source** moves **lower**, the **shadow** gets **longer**.



Reflection



The surfaces that reflect **light** best are smooth, shiny and flat.



Read more:

Step into Science: Light by Peter Riley
Foxton Primary Science: Lower KS2

Research more:

<https://www.bbc.co.uk/bitesize/topics/z3nnb9q>

