

Light



LKS2 Science: Light

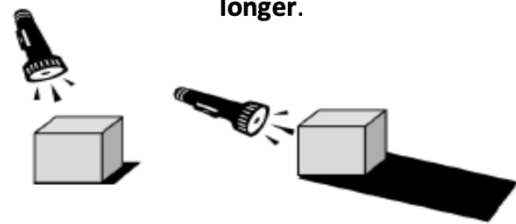
Scientific Concepts

Light	A form of energy that travels in a wave from a source.
Environment	The circumstances, objects, or conditions by which one is surrounded
Core Vocabulary	
Source	Where something originates from. A person who provides information. The beginning of a river
Reflection	The process where light hits the surface of an object and bounces back into our eyes.
Opaque	Describes objects that do not let any light pass through them
Shadow	An area of darkness where light has been blocked

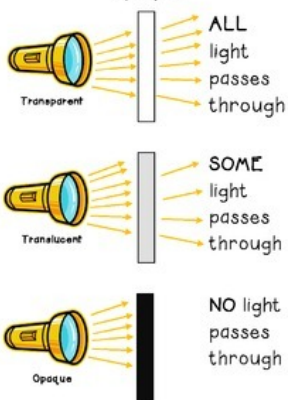
Images/diagrams



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**.

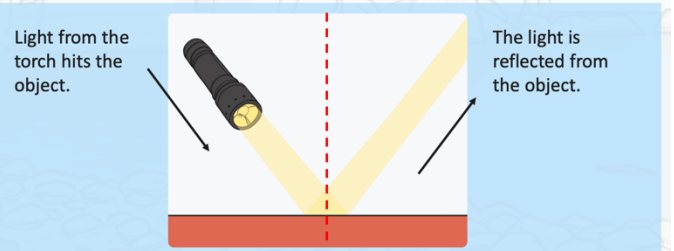


Translucent, Transparent & Opaque



Reflective Light

Light travels in a straight line.
When light hits an object, it is reflected (bounces off).
If the reflected light hits our eyes, we can see the object.



Key Knowledge

1	We need light to be able to see things and light travels in a straight line.
2	When light hits an object, it is reflected (bounces off). If the reflected light hits our eyes, we can see the object.
3	Some surfaces and materials reflect light well. Other materials do not reflect light well. The surfaces that reflect light best are smooth, shiny and flat.
4	Mirrors reflect light very well, so they create a clear image. An image in a mirror appears to be reversed
5	The sun can be harmful, especially to eyes and we should never look directly at it.
6	A shadow is caused when light is blocked by an opaque object