

KS2 Year 3 Light

Question	Answer
What is light?	A form of energy
What does a source of light do?	Make light
Name some sources of light	sun, stars, fires, torches, lamps
Why is the sun a source of light?	It makes its own light
Why is a fire a source of light?	It makes its own light
What is darkness?	The absence of light
Why do we need light?	To see things
Can we see in complete darkness?	No
How does light travel?	In straight lines
Why do we see objects?	Light reflects off an objects into our eyes
Should you look directly at the sun?	No it can damage your eyes
What happens when light is reflected by a surface?	It changes direction, it bounces off at the surface at the same angle it hits it
What materials reflect light well?	smooth, shiny surfaces (mirrors, polished surfaces)
What materials do not reflect lights well?	dull and dark surfaces (dark fabrics)
What happens when light hits an object?	It is reflected (bounces off)
How do we see an object?	Light hits it, is reflected (bounced off) and it enters our eyes
What is an opaque object?	An object that doesn't allow light to pass through it
What is a transparent object?	An object that allows light to pass through it
What is a translucent object?	An object that allows some light to pass through it
How is a shadow formed?	When light from a light source is blocked by an opaque object.
What affects the size of a shadow?	The position of the light, object and surface. If the light source and object move closer to each other.
What happens to a shadow if the light source and object move closer to each other?	The shadow becomes larger