

Year 3 Autumn 1 Light and Dark Knowledge Organiser

Key vocabulary

light

dark

light source

shadow

transparent

translucent

opaque

reflection

Useful information and website links



Website links

BBC Science clips -

<https://www.bbc.co.uk/bitesize/topics/zbssgk7/resources/1>

The School run -

<https://www.theschoolrun.com/what-is-light>

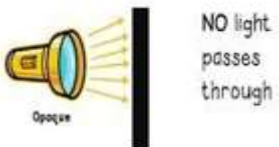
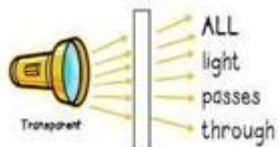
KS2 Education quizzes for Science -

<https://www.educationquizzes.com/ks2/science/>

Key facts to know by the end of the topic

- Light travels in a straight line
- Darkness is the absence of light
- The moon is not a light source
- We need light to see things
- Know the dangers of looking directly at the sun.
- Light is reflected from different surfaces
- Shadows are formed when the light from a light source is blocked by a solid object.
- Shadows can change shape and size

Translucent, Transparent & Opaque



LARGE SHADOW
when the toy is close to the light

SMALLER SHADOW
when the toy is further from the light

TINY SHADOW
when the toy is a long way from the light

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.

