

Year 3 Science Knowledge Organiser - Light

Key Information

We need light in order to see things.

Darkness is the absence of light.

Smooth, shiny surfaces reflect light well.

Dull and dark surfaces do not reflect light well.

A shadow is formed when light is blocked.

To make a shadow big, move the object closer to the light source.

To make a shadow smaller, move the object further away from the light source.

Opaque objects make darker shadows than translucent or transparent objects because they block more light.

Light from the sun can damage your eyes.



Vocabulary

light	a form of energy that travels in a wave.
light source	something that produces its own light—they can be natural or artificial (man-made)
reflection	When light bounces off an object.
transparent	lets light through
translucent	lets some light through
opaque	doesn't let light through

Misconceptions

Some people think that the moon is a light source. It is not, it reflects the light from the sun.

Some people think that dark things can't be shiny, but they can.