

Year 3 and 4 Science Knowledge Organiser - Light

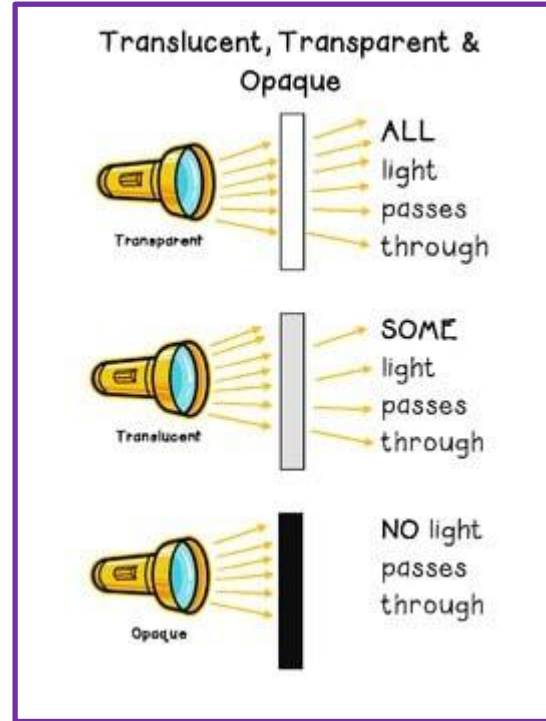
Subject Specific Vocabulary	Meaning
conclusion	Sums up what has been found out during an investigation.
explanations	Used to describe how something works or why something happens.
observation	When you look closely at what is happening during an experiment.
evaluate	Deciding if something has been done in the best way and wondering what could be improved.

Smooth, shiny surfaces **reflect** light at the same angle as it came from, whereas uneven **surfaces** scatter the light in different directions and dull surfaces **absorb** most of the light energy, and only **reflect** a little.



What I Already Know...

- A light sources, including natural sources like the sun and stars, and artificial sources like lamps and light bulbs.
- Some materials which allow light through and some will not.
- Objects that give out light are called sources of light.



Shadows have the same shape as the objects that cast them.



Scientific Vocabulary	Meaning
reflect	When surfaces bounce back light without absorbing it.
dark	When there is an absence of light.
absence	It means to be without something. Darkness is the absence of light.
transparent	Allowing light to pass through so that objects behind can be distinctly seen.
opaque	Not able to be seen through; not transparent.
translucent	Allowing light, but not detailed shapes, to pass through.
shadow	A dark area or shape produced by a body coming between rays of light and a surface.