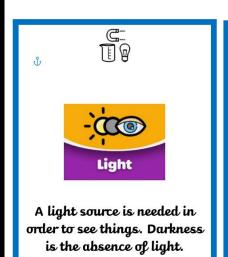
Year 3 Science Knowledge Organiser





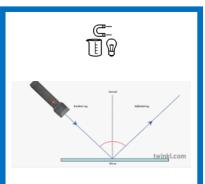
the light source is directly over head, longer shows are formed when the light source is low and a larger shadow is formed when the light source is closer.



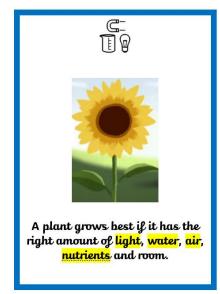
Shadows are formed when light is blocked by an opaque object.

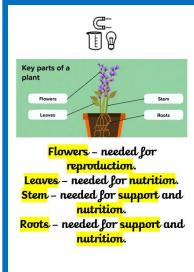


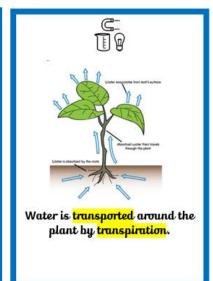
the sun can be harmful to our eyes. We can wear sunglasses and a hat to keep us safe.

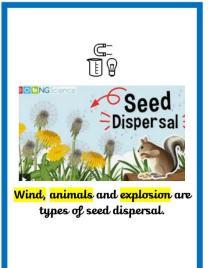


Light <mark>reflects</mark> from <mark>surfaces</mark> by bouncing off an object and not being absorbed.









Year 3 Science Key Vocabulary

light source	A source of light makes light.
absence of light	When there is no light and it is dark.
reflect	When a ray of light bounces off a smooth, polished surface.
surface	The outside part or uppermost layer of something.
harmful	Causing or likely to cause harm.
shadow	A dark area or shape produced by a body coming between rays of light and a surface.
opaque	Not able to be seen through; not transparent.
shorter	Measuring a small distance from end to end.
larger	Of considerable or relatively great size, extent, or capacity.
flower	The seed-bearing part of a plant, consisting of reproductive organs (stamens and carpels) that are typically surrounded by a brightly coloured corolla (petals) and a green calyx (sepals).
reproduction	Plant reproduction is the production of new offspring in plants
leaves	A flattened structure of a higher plant, typically green and blade-like, that is attached to a stem directly or via a stalk. Leaves are the main organs of photosynthesis and transpiration.
nutrition	Food or nourishment.
stem	The main body or stalk of a plant or shrub, typically rising above ground but occasionally subterranean.

support	Bear all or part of the weight of; hold up.
roots	The part of a plant which attaches it to the ground or to a support, typically underground, conveying water and nourishment to the rest of the plant via numerous branches and fibres.
light	The natural object that allows sight and makes things visible.
water	A colourless, transparent, odourless liquid that forms the seas, lakes, rivers, and rain and is the basis of the fluids of living organisms.
air	The invisible gaseous substance surrounding the earth, a mixture mainly of oxygen and nitr og en.
transported	Take or carry (people or goods) from one place to anothe
transpiration	(of a plant or leaf) the exhalation of water vapour
carpel	A carpel is composed of an ovary, a style, and a stigma.
stigma	Found in the centre of a flower and helps collect pollen.
ovary	The hollow base of the carpel of a flower, containing one or more ovules.
stamen	The male organ of a flower that contains the anther and filament.
anthers	The part of a stamen that contains the pollen.
filaments	Stalk-like structure that attaches to the base of the flower and supports the anther
wind	The natural movement of the air
animals	A living thing that feed on organic matter, have sense organs and a nervous system
explosion	When a plant lets it seeds go.