

Key Vocabulary

Word	Meaning
light	energy producing brightness
Dark	having little or no light
reflective	able to reflect light, sound, or other forms of energy
Light source	Produces light (include the sun, light bulbs and stars.).
torch	Portable light source
Transparent	light completely passes through it
Translucent	some light passes through it
Opaque	no light can pass through it
switch	Button or lever used to control an electrical circuit.
plug	Electrical connection
Electricity	energy created by the free or controlled movement of charged particles
circuit	a route around which an electrical current can flow
Mains	distribute water, gas, or electricity from a local station to individual buildings in an area
battery	a number of connected electric cells

Learning Outcomes

- identify everyday appliances which use electricity.
- Understand electrical safety
- ◇-recognise that electricity is an important source of light.

Light and Electricity

Knowledge

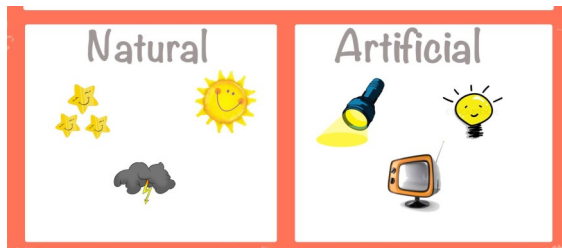
The sun is a natural light source. The sun coming up and setting gives us day and night. Throughout the day the sun climbs higher and higher until the middle of the day. The sun starts to go down through the afternoon until it sets.

Objects that give out light are called sources of light. There are natural light sources and artificial (man-made) light sources. A few examples of a natural light source would be the Sun, fires and candles.

Some examples of artificial (man-made) light sources include light bulbs, televisions and phones.

Useful links: Light

<https://www.bbc.co.uk/bitesize/clips/z3mb9qt>



SUNRISE

The time when the sun first appears in the sky in the morning.

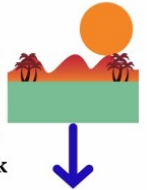
- Occurs in the morning.
- Occurs in the east.
- At the beginning of the day.
- The sun is in the sky after sunrise.



SUNSET

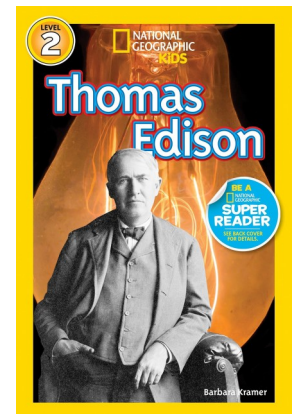
The time when the sun disappears from the sky at the end of the day and it becomes dark.

- Occurs in the evening.
- Occurs in the west.
- At the end of the day.
- The sun disappears and it becomes dark after sunset.



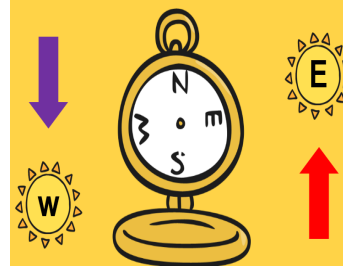
Thomas Edison

Thomas Alva Edison was a famous American inventor. He is best known for inventing 'domestic' lightbulbs to go in houses, and the electric power system that allows them to work. He came up with over 1000 successful inventions in his lifetime.



FUN FACTS: Light travels in a straight

The sun rises in the east and sets in the west.



A circuit

