

- L.O I can explain that I need light to see things, and that dark is the absence of light.



What is light?

- Can you name some things that give out light?
- How does light help us to see?
- What is dark?
- How do mirrors work?
- What is reflection?
- How are shadows made?

This unit of work is all about light.

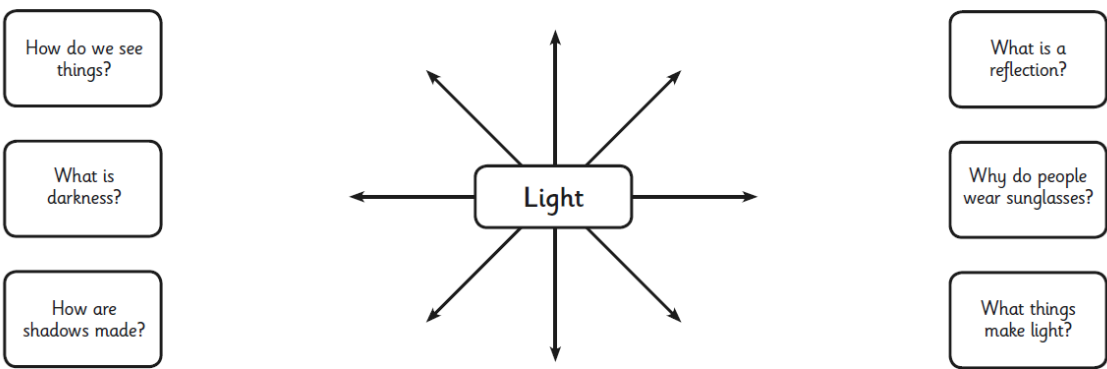
You will find the answers to all these questions, and more!

What is light?

What do you already know?

Create a mind map to show what you already know about light.
Can you think of any questions you would like to find out about light?

Draw or write about the things you already know about light.



How do we see things?

What is darkness?

How are shadows made?

What is a reflection?

Why do people wear sunglasses?

What things make light?

Light

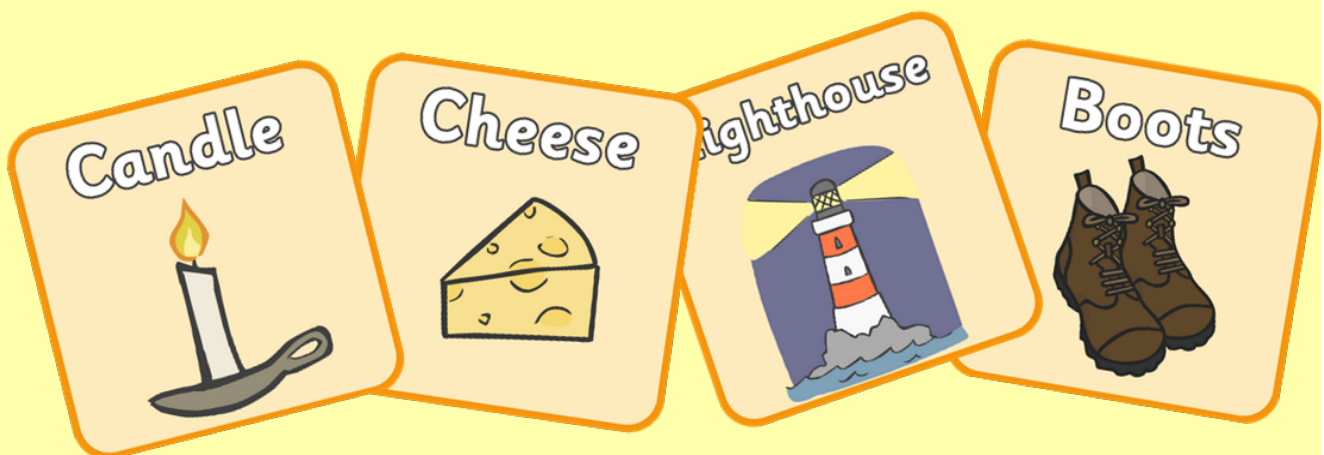
Do you have any questions about light? What would you like to find out? Write your thoughts below.

Light Source Sorting Game

Can you sort the set of cards?

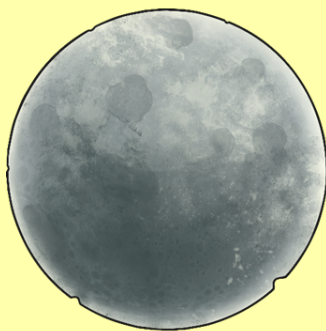
Identify the cards that are sources of light, and which ones are not.

Can you explain your reasons?



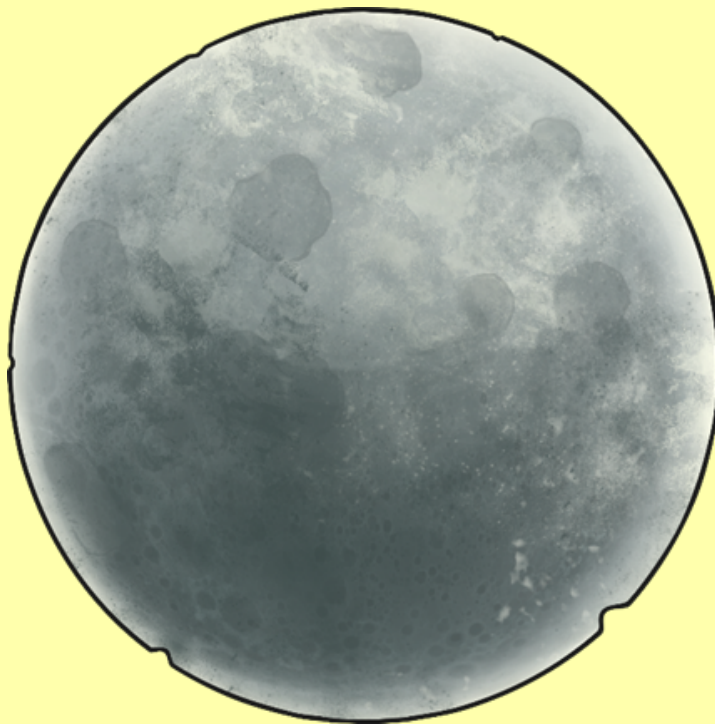
Some of the cards were tricky to sort - the moon, the window and the mirror are some examples.

These objects look like light sources, but they are not!



The moon is not a light source because it does not make its own light.

We can see the moon because light from the sun reflects off it (bounces off it) back to the earth.



The window is not a light source. It is an opening that lets the light from the sun or other light source into the room.



The mirror is not a source of light because it does not make its own light. It reflects light from other sources.



Dark is the absence of light.

If there is no light from a light source, it will be dark.

Think about times when it is dark, or places where it is dark.

Which sources of light are absent, or switched off?

Can we see in the dark?

Light can be made naturally or it can be artificial.

What are natural sources of light?

What are artificial sources of light?

Task:

Sort different light sources into artificial and natural.

