

Key Words to learn and use:

Opaque—not able to be seen through

Transparent—able to be seen through

Translucent—allowing light to shine through

Natural—produced by nature

Artificial—not produced by nature

Reflect—send back light and not pass through it

Shadow—the dark shape that falls on a surface when something is between the surface and the light.

Source—place it starts from

Block—to stop or obstruct something

Beam—a ray of light

Torch—electrical lamp used as light source

Straight line—not curving or bending but going in one direction

Sun—as star the travels around the Earth

Light—makes something visible

Angle—the direction from which you look at something.

Bright—a colour that is strong and noticeable and not dark.

Dark—the absence of light.

Dim—light that is not bright

Emits—to emit a sound or light means to produce it

Mirror—a flat piece of glass which reflects light so that when you look at it you can see yourself reflected in it.

Shadows—a dark shape on a surface that is made when something stands between a light and the surface

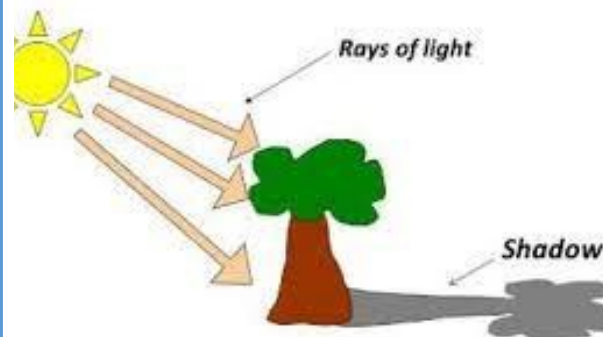
Torches—a small electric light which is powered by batteries and which you can carry.

Surface—the flat top part of something or the outside of it



Light SOURCES:

Light bulb	Candle
Torch	Lighter
Spark	Chandelier
Fire	Table lamp
Street lamp	Stars
Match	Beacon
Sun	Wall light



Class 3 - Autumn 2

Why do I have a shadow?

KWL

What does opaque mean?	Start	End
See through		
Can not been seen through		
The study of light		
An illusion		

How do we see an object?	Start	End
Light reflects off the object and enters our eyes		
Light travels from our eyes and reflects off the object		
Light reflects off our eyes and enters the object		

What does reflect mean?	Start	End
To change something		
A movement or action		
A shiny object		
To send back light		

Mirrors work by:	Start	End
Letting light through that hits them.		
Absorbing light that hits them.		
Light cannot travel through an object		

Sources of light include... (tick three)	Start	End
The sun		
The moon		
Street Lights		
Torches		

Who is Isaac Newton?	Start	End
An astronomer		
An astronaut		
A scientist		
A philosopher		

The size of a shadow becomes smaller...	Start	End
When the object is close to the light source.		
When the object is far from the light source.		
The distance between the light source and the object stay the same.		

Do lights have waves?	Start	End
Yes		
No		

Can you list all the colours of the rainbow?
Start:
End:

--	--