

Vocabulary

1	Light	Light is the absence of darkness
2	Natural light Source	Natural light sources include the sun, stars and fires. They are called natural light sources because they emit light naturally.
3	Man made light Source	Any light source that is not naturally occurring
4	Reflection	When light from an object is reflected by a surface, it changes direction.
5	Cat's Eyes	A reflective stud set into a road as one of a series to mark traffic lanes by reflecting light from headlights.
6	Visible Spectrum	The name for the light we can see.
7	UV light	Light emitted by the sun. We cannot see this light.
8	Opaque	Something that is opaque cannot be seen through and does not allow light to pass through it.
9	Transparent	Allows light to completely passes through it, and you can see clearly through it.
10	Translucent	Allows light, but not detailed shapes, to pass through.
11	Shadow	Shadows are formed when light from a source is blocked by an opaque object.

Shadows

How do shadows form?	Shadows form when an opaque object blocks a man made or natural light source.
Can we change the size of a shadow?	We can change the size of a shadow by moving the object closer and further away to the source of light.
What will the shape of the shadow be like?	The shape of a shadow will be the same shape as the object that is blocking the light source.

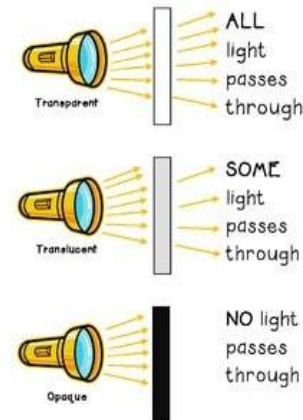
Natural Light Sources

Sun
Stars
Fire
Candle
Lightning
Volcano

Man Made Light Sources

Torch
TV
Laptop
Light bulbs
Fireworks
Laser

Translucent, Transparent & Opaque



Objects that are not light sources

Moon	The Moon reflects light from the sun.
Cat's Eyes	Cat's eyes are little bits of mirrored glass. The spots of light you see are a vehicles' own headlights reflecting back - like shining a torch in the mirror!