

# Light- Class 3



| Vocabulary          |  |
|---------------------|--|
| <b>Light</b>        | A form of energy that travels in waves from a source.  |
| <b>Light source</b> | An object that makes its own light.  |
| <b>Dark</b>         | The absence of light.  |
| <b>Reflection</b>   | The process that occurs when light hits the surface of an object and bounces back into our eyes. |
| <b>Opaque</b>       | Describes objects that do not let light pass through.  |
| <b>Translucent</b>  | Describes objects that let some light through but scatter the lights so we can't see properly.   |
| <b>Transparent</b>  | Objects that let light through completely and we can see through them.                           |
| <b>Shadow</b>       | An area of darkness, where light has been blocked.   |

**Key Knowledge**

We need **light** to be able to see things. **Light** travels in a straight line. When **light** hits an object, it is **reflected** (bounces off). If the **reflected light** hits our eyes, we can see the object. Some surfaces and materials **reflect light** well. Other materials do not **reflect light** well. **Reflective** surfaces and materials can be very useful...

hi-vis jacket

cat's eyes

## Fun Facts!



**Light sources** can be natural or man-made.

The sun is a **natural** light source; where as a light bulb is a **man-made** source of light.



The moon, mirrors and windows are not sources of light.



The sun has benefits of helping plants to produce food and giving us a source of **vitamin d**, however, the sun's light can be harmful to our eyes and skin. We should wear sunglasses and sun cream on sunny days.

A **shadow** is caused when **light** is blocked by an **opaque** object. A **shadow** is larger when an object is closer to the **light** source. This is because it blocks more of the **light**.

