

Nova's Guide to the Marvellous World of Light

Step into the light and see the world in a whole new way!

- **Light sources** are objects that give off their own light, such as the Sun, a torch, or a candle flame.
- **We need light to see things.** When light hits an object and bounces back into our eyes, we call this reflection.
- **Transparent materials**, like clear glass, let almost all light pass through them, allowing us to see clearly on the other side.
- **Opaque objects** do not let any light pass through them, which is why they create the darkest shadows.
- **Translucent materials**, such as frosted glass or tissue paper, let some light through but scatter it so we cannot see through them clearly.

Did you know? Did you know? Light travels in a straight line! When light hits an object it cannot pass through, it stops, creating a dark shape behind the object—that is how a shadow is born.

Key vocabulary: Light source · Reflection · Transparent · Opaque · Translucent · Shadow