

# 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**