

Nova's Guide to the Magic of Light

Follow the beam and discover the secrets of light!

- A light source is an object that makes its own light, such as the Sun, a torch, or a candle.
- We cannot see anything in a room that is completely dark because there is no light to reflect off objects into our eyes.
- Shadows are formed when an opaque object blocks the path of light.
- Transparent materials, like clear glass, let almost all light pass through them.
- Reflective surfaces, like shiny metal spoons or mirrors, help light bounce back to our eyes.

Did you know? Did you know? Light travels in a straight line! When light hits an object that isn't transparent, it stops and creates a shadow. If the light hits a smooth, shiny surface like a mirror, it bounces off—this is called reflection!

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