

**SCIENCE: Light**

What I might already know: Use of mirrors and glasses - reflection (Y2), materials properties including

**KEY QUESTIONS:**

Can you identify and sort light sources and reflectors?

How does my shadow change over the day?

**What we will be learning:**

**Key Vocabulary:** Light, shadows, mirror, dark, change, pattern, sun, energy, reflective, reflection, absence, surfaces, protection, solid, natural/human-made light sources, transparent, opaque, spectrum, refraction, translucent

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



**NATURAL LIGHT SOURCES**



**ARTIFICIAL LIGHT SOURCES**



To help protect our eyes from the dangers of sunlight, wear a hat and sunglasses with UV protection.



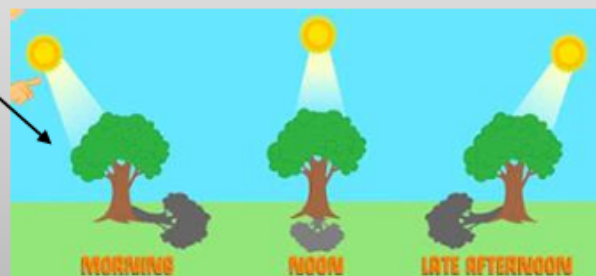
Light is a type of **energy** that comes from a **light source**.



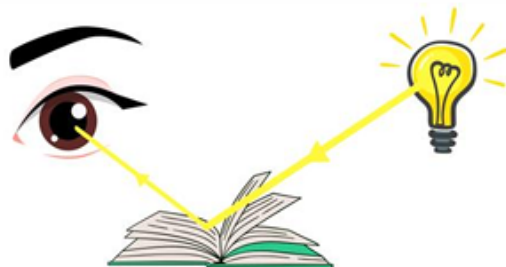
**Darkness** is the **absence** of light energy. No light, means no sight!

When a **light source** is to one side of an object, a long shadow will appear on the opposite side.

When the **light source** is directly above the object, the shadow will be directly underneath.



When light shines on an object, it **reflects** (bounces) off and into our eyes so we can see.



**Translucent, Transparent & Opaque**

