

# 3F LIGHT AND SHADOWS

## Glossary

**block** – to interrupt the light causing a shadow

**image** – the picture formed in a reflective surface such as a mirror

**light** – a kind of energy that we can see - the glow produced by something hot

**mirror** – a polished surface which reflects light

**opaque** – not see-through. Lets no light through at all

**shadow** – the area of darkness formed when an object blocks light

**source** – the place where light begins

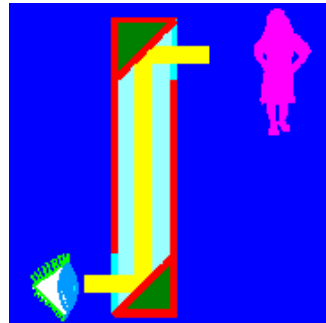
**translucent** – not see-through. Lets some light pass through

**transparent** – see-through. Lets all light pass through



A **mirror** is highly polished and **reflects** light. We can see **images** of ourselves and other objects in mirrors.

A **periscope** has two angled **mirrors** that reflect the light to enable us to see around corners.



Light is **blocked** by **opaque** materials like this jug.



Some light can pass through **translucent** materials such as sun glasses.



Clear glass is **transparent** and allows all light to pass through.



**S.O.S!**

**Source → Object → Shadow**



A **shadow** is formed behind an object when it **blocks** the light.



The **sun** is a **source of light**. The moon is not a source of light, we can see it because it **reflects** light from the sun.